

Phases & Deliverables		Description	Unit
1.	Projection System	Native Resolution	XGA(1024x768)
		Brightness* (ANSI Lumens)	2500
		Contrast Ratio	13000:1
		Display Color	1.07 Billion Colors
		Lens	F=2.65, f=5.22mm
		Aspect Ratio	Native 4:3 (5 aspect ratio selectable)
		Throw Ratio	0.45 (78"@71.3cm)
		Image Size (Diagonal)	50"-300"
		Zoom Ratio	Fixed
		Lamp Mode (Normal/Economic/SmartEco /LampSave/LumenCare)*	230W, 3500/5000/6500/NA/NA hours
		Keystone Adjustment	1D, Vertical ± 15 degrees (Manual)
		Projection Offset	150%
		Resolution Support	VGA (640 x 480) to UXGA (1600 x 1200)
		Horizontal Frequency	31K-102KHz
		Vertical Scan Rate	23-120Hz
Interface	Computer in (D-sub 15pin) x 2 (shared with Component video)		
	Monitor out (D-sub 15pin) x1		
	Composite Video in (RCA) x1		
	S-Video in (Mini DIN 4pin) x1		
	Audio in (Mini Jack) x2		
	Audio L/R in (RCA) x2		
	Audio out (Mini Jack) x1		
	Microphone in (Mini Jack) x1		
	Speaker 10Wx2		
	LAN (RJ45) x 1 (LAN Control)		
	HDMI V1.3 x1		

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			USB (Type Mini B) x 1 (USB Download & Page up/down)	
			DC 12V Trigger (3.5mm Jack) x1	
			RS232 (DB-9pin) x1	
		Dimensions (W x H x D mm)	339 x 236.9 x 322.8	
		HDTV Compatibility	480i, 480p, 576i, 576p, 720p, 1080i, 1080p	
		Video Compatibility	NTSC, PAL, SECAM	
		3D Support and Compatibility	PC: 120Hz Frame Sequential 3D for resolutions up to WXGA	
			PC: 60Hz Top-Bottom 3D for resolutions up to SXGA+	
			PC: 60Hz Frame Sequential 3D resolutions up to WXGA	
			Video: 60Hz Frame Sequential 3D for resolutions up to 480i	
			*Please click to know more details about 3D Support and Compatibility.	
		Weight	5.3kg (11.7lbs)	
		Audible Noise (Normal/Economic Mode)	33/27 dBA	
		Power Supply	100 to 240 VAC, 50 to 60 Hz	
		Power Consumption	Normal mode: 321W (Typical), Standby<0.5W	
			SmartEco mode: 160W (will vary depending on the projected content)	
		On-Screen Display Languages	Arabic/English	
		Picture Modes	Dynamic/Presentation/sRGB/Cinema/User 1/User 2	
		Accessories (Standard)	Remote Control w/ Battery	
			Power Cord (by region)	
			User Manual CD	
			Quick Start Guide	
			VGA(D-sub 15pin) Cable	
		Accessories (Optional)	Presentation Plus	
			Spare Lamp Kit	
			Wall Mount (T/R 0.4)	
2.	Digital projector	Projection System	DLP®	1
		Native Resolution	XGA(1024x768)	
		Brightness	3,200 ANSI lumens	
		Contrast Ratio	13,000:1	

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Display Color	1.07 Billion Colors
Lens	F=2.57-2.65, f=21-23.1mm
Aspect Ratio	Native 4:3 (5 aspect ratio selectable)
Throw Ratio	1.86-2.04 (53"@2m)
Image Size Diagonal	30"~300"
Zoom Ratio	1.1:1
Lamp Type	210W
Lamp(Normal/Economic/SmartEco/	3500/5000/6500/10000/2100 hours
LampCare/LumenCare Mode)*	1D, Vertical +/- 40 degrees
Keystone Adjustment	120% ±5%
Projection Offset	VGA(640 x 480) to UXGA(1600 x 1200)
Horizontal Frequency	15~102KHz
Vertical Scan Rate	23~120Hz
Compatibility	HDTV Compatibility: 480i, 480p, 576i, 576p, 720p, 1080i, 1080p Video Compatibility: NTSC, PAL, SECAM 3D Compatibility: Frame Sequential: Up to 60Hz 720p Frame Packing: Up to 24Hz 1080p Side by Side: Up to 60Hz 1080i Top Bottom: Up to 24Hz 1080p
Interface	Computer in (D-sub 15pin) x 2(Share with component) Monitor out (D-sub 15pin) x 1 Composite Video in (RCA) x 1 S-Video in (Mini DIN 4pin) x 1 Audio in (Mini Jack) x 1 Audio out (Mini Jack) x 1 Audio L/R in (RCA) x 1 HDMI/MHL x 1 Speaker 10W x 1 USB (Type Mini B) x1 (Download & page/down) RS232 (DB-9pin) x 1 IR Receiver x 2 (Front+Rear)
Dimensions (WxHxD)	11.3" x 4.5" x 9.15" (w/ feet)
Weight	5.06lbs (2.3kg)

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	Power Supply	AC100 to 240 V, 50 to 60 Hz	
	Power Consumption	293W(Normal), 243W (Eco), Standby<0.5W”	
	Audible Noise	33/28 dBA (Normal/Economic mode	
	On-Screen Display Languages	Arabic, English	
	Picture Mode	Dynamic/Presentation/sRGB/Cinema/User 1/User 2	
	Accessories (Standard)	Remote Control w/ Battery, Power Cord, Quick Start Guide, Warranty Card, VGA (D-sub 15 pin) Cable	
	Accessories (Optional)	Spare Lamp Kit P/N: 5J.JAG05.001 Ceiling Mount P/N: 5J.J4N10.001 3D Glasses P/N: 5J.J7K25.001 (150 3d glasses) Carry Bag P/N: 5J.J4R09.001	
	UPC Code / Part #	Spare Lamp Kit P/N: 5J.JAG05.001	
	Limited Warranty	Ceiling Mount P/N: 5J.J4N10.001	
3.	Interactive whiteboard specifications		10
	Touch resolution	4000 × 4000	
	Digitizing technology	Four-camera DVIT® (Digital Vision Touch) technology with steel coated dry erase surface	
	Accessories	Two ergonomic pens with comfort grip and rectangular eraser	
	Interfaces	1 x audio - line-in - mini-phone 3.5 mm 1 x audio - line-out - mini-phone 3.5 mm 1 x video - VGA input - 15 pin HD D-Sub (HD-15) 1 x management - RS-232 2 x audio / video - HDMI input 1 x management - USB - 4 pin USB Type B 2 x network - Ethernet - RJ-45 1 x peripheral - 7 pin mini-DIN 1 x peripheral - 4 pin mini-DIN 1 x peripheral - RJ-11 1 x USB - 4 pin USB Type B 2 x USB - mini-USB Type B 1 x USB - 4 pin USB Type A	
	Width	78.5 in	
	Depth	19 in	
	Height	53.4 in	
	Connectivity Technology	Wired	
	Interface	USB	
	Movement Detection Technology	Digital vision touch	
	Active Area	73.9 in x 46.2 in	
	Features	Multi-touch board, extended control panel (ECP), dry erase porcelain steel surface, SMART Ink	

	Software	Included with free license		
	OS Required	Apple Mac OS, Microsoft Windows		
	Included Accessories	Remote control, 2 interactive pens		
	Cables Included	1 x USB cable - external - 16.4 ft 1 x audio cable - external - 13.4 ft		
	Voltage Required	AC 110/220 V		
	Compliant Standards	CSA, UL, VCCI, C-Tick, NOM, CB, CCC, PSB, FCC, RoHS, WEEE, PSE Mark, GOST-R, REACH, ErP Ready, KC		
	warranty	5 years		
4.	Printer	AiO functions	Print, copy, scan, fax; AiO multitasking supported: Yes	12
		Duplex print options	Manual (driver support provided)	
		Print speed ¹	Black (normal, letter): Up to 21 ppm	
		Print resolution	Black (best): Up to 600 x 600 dpi	
		Print technology	Laser	
		Print resolution technologies	FastRes 600; FastRes 1200	
		Print cartridges number	1 (black)	
		Printer smart software features	Smart Install, HP Auto-On/Auto-Off, HP ePrint, Apple AirPrint™, Wireless direct printing, Embedded Web Server	
		Mobile printing capability ²	HP ePrint, Wireless direct printing, Apple AirPrint™, Mobile Apps	
		Scan type	Flatbed, ADF	
		Scan speed	Normal (letter): Up to 7 ppm (b&w), up to 5 ppm (color)	
		Scan resolution	Enhanced: Up to 1200dpi; Hardware: Up to 1200 x 1200 dpi; Optical: Up to 1200 dpi	
		Scan technology	Contact Image Sensor (CIS)	
		Scan file format	Windows Scan SW supports file format: JPG, RAW(BMP), PDF, TIFF, PNG; Mac Scan SW supports file format: TIFF, PNG, JPEG, JPEG-2000, PDF, PDF-Searchable, RTF, TXT	
		Scan size maximum	ADF: 8.5 x 14 in (216 x 356 mm); Flatbed: 8.5 x 11.7 in (216 x 297 mm)	
		Copy speed ³	Black (normal, letter): Up to 21 cpm	
		Copy resolution	Black (graphics): Up to 600 x 600 dpi Black (text): Up to 600 x 600 dpi	
Max number of copies	Up to 99 copies			
Copier resize	25 to 400%			
Fax speed ⁴	3 sec per page; 33.6 kbps			
Fax resolution	Black (best): Up to 300 x 300 dpi; Black (standard):			

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	203 x 98 dpi; Black and white (fine): 203 x 196 dpi, 256 levels of gray; Black and white (superfine): 300 x 300 dpi or 203 x 392 dpi, 256 levels of gray; Black photo grayscale: 300 x 300 dpi (halftone)
Fax features	Auto fax reduction supported: Yes; Auto-redialing: Yes; Fax delayed sending: Yes; Distinctive ring detection supported: Yes; Fax forwarding supported: Yes; Fax phone TAM interface supported: Yes; Fax polling supported: Yes; Junk barrier supported: Yes; Maximum speed dialing numbers: Up to 100 numbers; PC interface supported: Yes; Remote retrieval capability supported: Yes; Telephone handset supported: No
Standard connectivity	Hi-Speed USB 2.0 port; built-in Fast Ethernet 10/100Base-TX network port; Wireless 802.11b/g/n
Direct Print Support Capability	USB printing; Wireless direct printing
Network capabilities	s Via built-in 10/100Base-T TCP/IP networking
Modem	33.6 kbps
Accessories	HP 1200w NFC/Wireless Mobile Print Accessory E5K46A
Network ready	Standard (built-in Fast Ethernet, WiFi 802.11 b/g/n)
Wireless capability	Yes, built-in WiFi 802.11b/g/n
Memory	128 MB
Processor speed	600 MHz
Paper handling	150-sheet input tray; 100-sheet face-down bin Input capacity: Up to 150 sheets, Up to 10 envelopes Output capacity: Up to 100 sheets, Up to 10 envelopes, Up to 75 sheets transparencies
Media type	Paper (plain, laserjet), envelopes, transparencies, labels, postcards
Media Sizes standard	Letter; Legal; Executive; envelopes (Com #10, Monarch #7 3/4); post cards (Standard #10)
Auto document feeder capacity	Standard, 35 sheets
Display	3.5" LCD (color graphics)
Power	Power supply type: Built-in power supply Power supply required: Input voltage: 110 to 127 VAC (+/- 12%), 60 Hz (+/- 3 Hz); Input voltage: 220 to 240 VAC (+/- 12%), 50/60 Hz (+/- 3 Hz) (Not dual voltage, power supply varies by part number with # Option code identifier) Power consumption:8 480 watts (Printing), 186 watts (Copying from ADF), 4.5 watts (Ready), 1.1 watts (Sleep/Auto-Off), 0.1 watts (Manual Off)
Software included	Windows: HP Installer/Uninstaller, HP PCLmS print driver, HP WIA Scan Driver, HP

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		TWAIN Scan Driver, HP Scan, HP Fax Setup Wizard, HP Send Fax, Status Alerts, HP Update, DXP; Mac: HP Installer/Uninstaller, HP PCLmS driver, HP Scan, HP Setup Assistant, HP Fax Print Driver, HP Utility, HP Alerts, HP Firmware Updater	
	Security Management	Password-protected network embedded Web server; SNMPv1 community password change	
5.	Tablet	Display	10.1" 2560x1600(WQXGA) TFT
		Chipset	WiFi/3G : 1.9GHz Quad + 1.3GHz Quad LTE : 2.3GHz Quad
		Bearer	LTE : 800/900/1800/2600+850/2100 3G : HSPA+42 850/900/1900/2100 2G : EDGA/GPRS 850/900/1800/1900
		Memory	3GB RAM microSD slut
		Camera/Flash	8M w/ LED Flash + 2M Full HD
		Connectors	USB2.0, 3.5mm Ear jack
		Connectivity	WiFi (802.11 a/b/g/n/ac), BT4.0
		GPS	GPS + GLONASS
		Dimension, Weight	243.1x171.4x7.9mm, 540g(WIFI)/ 547g(3G,LTE)
		Battery capacity	8,220mAh
		OS / Upgrade	Android4.3 (JB)
		Messaging & SNS	Google+, Hangout, ChatON
		Augmented Reality	D/L from Playstore
		LBS	Google Maps, Other Services & Applications, Android Ecosystem Samsung Hub / Apps / WatchON / Link
		PC Applications	Kies Window/Mac
UI / Web Browser	Samsung UI / Android, Chrome Browser		
IrLed	Yes		
Audio	MP3, AAC, AAC+, eAAC+, AMR-WB, AMR-NB, OGG, M4A, 3GA, WMA,FLAC, WAV, MIDI, SP-MIDI, i-Melody, XMF		
			60

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		Video	MPEG4, H.264, MP43, VC-1, WMV 7/8, Sorenson Spark, H.263, VP8 1080p Full HD video @ 60fps	
6.	Cabin to save and charging tablet devices	<ul style="list-style-type: none"> • Solid hand welded, heavy-gauge steel construction. • Roll-a-way, locking, aluminum tambour doors • Integrated rack-mount server compartments (up to 7u storage) • Fold-a-way instructor work station podium • 6" Industrial Grade Casters <p>A single AC outlet and your network connection is all that is required to deploy SmartCart™.</p> <p>Integrated Network Systems</p> <p>Integrated Wireless Packages</p> <p>SmartCart32 Wireless Mobile Computer Lab Specifications</p> <p>LAB DIMENSIONS</p> <p>Work Surface Ht: 110.5 cm / 43.5"</p> <p>Handle Ht: 120.6 cm / 47.5 "</p> <p>Width: 117 cm / 46"</p> <p>Depth 72.4 cm / 28.5"</p> <p>Weight: Approximate* 181 kg / 400 lbs.</p> <p>*Empty weight - actual weight determined by configuration of system</p> <p>LAPTOP COMPARTMENT DIMENSIONS</p> <p>Height: 28.7 cm / 11.3 "</p> <p>Width: 5.85 cm / 2.31 "</p> <p>Depth 41.91 cm / 16.5"</p>		1
7.	Intelligent LFD White Board 82 "	<p>Easily controlled "S/W Hot Key" for easy use.</p> <p>S/W Hot Key, generally-used in front projection typed IWB has been applied to LED IWB, the first in the world. Without directly controlling Icons for writing software, easy and swift lesson can be possibly done by touching software icons designed on left/right side of picture.</p>		2

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		 <p>Multi touch available under Vista / XP as well as Window 7.</p> <p>The best features LED IWB provides.</p> <p>USB port to interface PC or notebook</p> <p>Soft writing on the screen :</p> <ul style="list-style-type: none"> - Noise-free writing technology - No need to install software for touch screen functionality - Support for multi-touch <p>Handwriting on the monitor able to be displayed on the computer/screen in real time</p> <p>RGB Color, 16,000,000-pixels, precise touch resolution</p> <p>RESOLUTION;1920 × 1080</p> <p>TRUE Black Filter</p> <p>Even clearer picture by blocking external light</p> <p>A brighter education</p> <p>With a large screen size of 82” and high brightness levels with 510 nits, 82ST LED e-board delivers high quality images even in a poorly illuminated room with 1 nit or so of brightness.</p> <p>Optical touch technology</p> <p>Camera touch sensor based on optical technology applied. So, it is stronger, quicker and more reliable compared with other technologies. By connecting it to a desktop and double-clicking a program with a stick, users can enjoy surfing internet with a pointer and play</p>	
8.	Multifunction Printer	<p>Rapidly finish both black and color print and copy jobs at up to 21 ppm</p> <p>Typical office print job Time To Completion can be nearly three times faster with Instant-on Technology[1]</p> <p>Instant-on Copy with LED-based technology delivers your first copy in seconds</p> <p>Print black for the same cost per page</p> <p>Easy in every way—a communications expert</p> <p>Scan documents, bound files and 3-D objects with ease on flatbed scanner</p> <p>Communicate quickly and easily with fax</p>	1

Science Center Phase I Provision Al-Qaseem Science Center with Technical Devices

		<p>Easily scan, copy, fax and manage settings with control panel and 2.4-inch color display</p> <p>Easily share this MFP and improve efficiency by connecting to your network</p> <p>Make your move with easy-to-use marketing tools</p> <p>Produce high-impact, customized marketing materials that can be modified in house to save you money</p> <p>Print right away using samples, templates</p> <p>Create professional-looking marketing materials</p> <p>Print a wide variety of documents from 4 x 6 to 8.5 x 14 inches on plain or glossy media.</p> <p>Stop the presses—get print shop-quality in an MFP</p> <p>Produce print shop quality-marketing materials</p> <p>Get reliable, consistent, high-gloss, quality color prints</p> <p>Create smooth colors, sharp images</p>																					
9.	Laptop Computer	<table border="1"> <tr> <td>Operating System</td> <td>Windows 7 Professional 64 (available through downgrade rights from Windows 8 Pro)</td> </tr> <tr> <td>Processor</td> <td>Intel® Core™ i7-3770 with Intel HD Graphics 4000 (3.4 GHz, 8 MB cache, 4 cores)</td> </tr> <tr> <td>Internal Drive</td> <td>1TB 7200 rpm SATA</td> </tr> <tr> <td>Standard memory</td> <td>8 GB 1600 MHz DDR3 SDRAM</td> </tr> <tr> <td>Graphics</td> <td>AMD Radeon HD 6350 (512 MB)</td> </tr> <tr> <td>Optical Drive</td> <td>SATA SuperMulti DVD writer</td> </tr> <tr> <td>Warranty</td> <td>3/3/3 standard warranty. Three years onsite, next business day, three years parts and three years labor and includes free telephone support 24 x 7. Certain restrictions and exclusions apply.</td> </tr> </table>	Operating System	Windows 7 Professional 64 (available through downgrade rights from Windows 8 Pro)	Processor	Intel® Core™ i7-3770 with Intel HD Graphics 4000 (3.4 GHz, 8 MB cache, 4 cores)	Internal Drive	1TB 7200 rpm SATA	Standard memory	8 GB 1600 MHz DDR3 SDRAM	Graphics	AMD Radeon HD 6350 (512 MB)	Optical Drive	SATA SuperMulti DVD writer	Warranty	3/3/3 standard warranty. Three years onsite, next business day, three years parts and three years labor and includes free telephone support 24 x 7. Certain restrictions and exclusions apply.	20						
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	Audio Codec	PCM, MP3	
	Audio Sampling Rate	44100, 22050 kHz	
	Audio Bitrate	64 - 160 kb/s	
	Record File Format	AVI, MOV	
	Video Filters	Frame Timestamping (selectable timestamp position), Custom Logo Overlay	
	Player Application	MS Media Player, Quick Time, VLC	
	Access to Recorded Files	Web, FTP, automatic FTP upload, automatic RSYNC synhronization	
	Operator's Interface	Web Based Interface, RS-232 (Crestron/AMX ready)	
	Time Synchronization	NTP, TIME (RFC 868)	
	Storage	1 TB	
	Special Features	Native Apple HTTP stream support (for iPad, iPhone, iTouch)	
	Product Dimensions	Compact Server: 3.8"(H)×8.7"(W)×12.9"(D), 96 mm (H)×222 mm (W)×328 mm (D)	
	S-Video Max Resolution	640×480	
	S-Video Format	NTSC, PAL	
11.	Screen in corridor LED 95"		1
	Audio:		
	Dolby	Dolby Digital Plus / Dolby Pulse	
	SRS	SRS Theatre Sound HD	
	dts 2.0+Digital Out	Yes	
	Speaker Type	Down Firing + Full Range	
	Sound output	SRS Theatre Sound HD	
	Bathroom Speaker Out	4W Mono	
	SRS / DNSe+		
	3D Sound		
	Display:		
	Screen Size	95"	
	HD/FHD	FHD	
	Brightness	330cd/m ²	
	Resolution	1920 x 1080	
	Response Time	5.5ms	
	Picture Engine	HyperReal Engine	

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		Clear Motion Rate	100	
		Wide Colour Enhancer	Wide Color Enhancer Plus	
		Film Mode	Yes	
		Viewing Angle (Horizontal/Vertical)	178/178	
		Backlight	LED	
		Static Contrast Ratio	5,000:01:00	
12.	Screen in corridor LED 65	Screen Size (measured diagonally) : 65" (64.5") Display Resolution : Full HD Viewing Angle (Up/Down) : 178 (89/89) Aspect Ratio : 16:9 Screen Size (cm) : 163.9cm Dynamic Contrast Ratio : over 1 million Viewing Angle (Right/Left) : 178 (89/89) Audio Power Output : 10W + 10W + 10W Picture Adjustments Lock Auto Photo Mode Picture Frame Mode		7
13.	CCTV 8 cameras set outdoor	H.264 Video Compression 8 x Channel 1080P Network Video Recorder Night Vision up to 25m 8 x 1080P Network IP Cameras 1 HDMI Port Built-in PoE Support Support Remote View via Smart Phone Video Input / Output: IP video input VGA output HDMI output Recording resolution Compression Record rate	8 channel IP camera inputs 1 channel 1 channel 1080P H.264 120fps	1

Science Center Phase I Provision AI-Qaseem Science Center with Technical Devices

Multi screen display	1024×768@60Hz, 1280×1024@60Hz, 1920×1080@60Hz
Record Mode	Manual / Time Scheduled / Alarm Triggered / Motion Detect
Playback	4 channel synchronous playback/Fast forward / Rewind /Slow play
Audio Input/Output:	
Audio compression	G.711
Audio output	1 channel
Hard Disk Drive	
Interface type	1 SATA (3.5") / 2 SATA (2.5")
Capacity	Up to 2TB each
External Interface	
Network interface	1 RJ45 10M/100M self-adaption & 4 independent 10/100 Mbps ethernet interfaces
USB interface	2 USB 2.0 interfaces
Alarm inputs/output	4 channel sensor inputs / 1 channel alarm output
General	
Application support	Remote configuration, video browse, local recording, local and remote playback
Motion detection	Yes
Protocol support	TCP/IP,UDP,UPNP,DHCP,DNS/DDNS,SMTP,HTTP,FTP,etc.
Alarm	Support remote notification
Operating system	Linux based
Smart phone	iOS 4.3 up ,Android 2.2 up
Power supply	DC12V, 3A
POE ports	4
POE input voltage	DC48V,1A
Power consumption	<12W(Without hard disks)
Operating temperature	-10 °C to 50 °C
Dimensions	290 × 231 × 43mm (11.4" × 9.1" × 1.7")
Weight	2.36lbs
Language	11 languages
Camera Qty 8 PC	
Image sensor	1/3" color CMOS sensor
Min. illumination	0.1Lux(IR LED On) / F 1.2

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Shutter speed	Auto
Lens	3.6mm
Angle of view	77 degree
Day & night	Electronic(IR-CUT filter with auto switch)
Compression Standard	
Video compression	H.264
Bit rate	16kbps~8Mbps
Dual stream	Yes
Image resolution	1080P(1920*1080),VGA(640*480),QVGA(320*240)
Frame rate	30fps
White balance	Auto
Backlight balance	Auto
Image setting	Brightness, contrast, chroma, saturation
Network	
Alarm trigger	Intelligent motion detection
Alarm action	E-mail notification, video record , snapshot, upload to NVR
Network protocols	TCP/IP, UDP, DNS/DDNS, SMTP, UPNP,DHCP, HTTP, FTP, etc.
ONVIF	ONVIF Ver.2.0
Supported OS	Microsoft Win98 SE/ME/2000/XP/Vista/win7,Internet Explorer 6.0/7.0/8.0/9.0
Supported mobile phone OS	Android 2.2 up, iOS 4.3 up
Security	User authentication, software encryption
Interface	
Communication interface	RJ45 10/100M self-adaptive
On-board storage	Built-in TF slot,up to 64GB
General	
User management	Multi-lever user management, support up to 16 users
Weather proof	IP65
WDR	Yes
Operating temperature	-10 °C to 50 °C
Color / Material	White / Aluminum

		Power supply	PoE	
		Power consumption	3W~5W	
		IR distance	Night visibility up to 25m	
		Dimensions	66 × 60 × 99mm (2.6" × 2.4" × 3.9")	
		Weight	1.14lbs	
14.	Ip telephone system	<p>IP BPX IP BPX Appliance with 10 Silver Subscriptions Including Digital Card E1 with hardware ECHO cancelation Unlimited extensions (subscription required per extension, 10 included)</p> <ul style="list-style-type: none"> • Voicemail • Find me, follow me • Unlimited custom greetings and menus • Least cost routing • Unlimited call groups/queues • Custom music on hold • Call logging, reporting & graphs • Unified messaging (voicemail to email) • Blind & assisted transfer • Unlimited remote extensions • Easy backup and restore • VoIP & regular phone line compatible • Call monitoring & recording • Directed pickup • Outlook and Firefox integration • Ideal for Medium -sized Businesses • Supports up to 150 users • Up to 45 concurrent calls. • 3 Telephony Card Slots. 		1

Science Center Phase I Provision AI-Qaseem Science Center with Technical Devices

		Installation & Configuration at Site with Technical Services and Training	
		<p>IP Telephone (with 25 ip telephones) large high-definition TFT color . Touch screen with unique, intuitive user interface. enables the user to easily handle even complex applications like swapping of calls, or establishment of conference calls for up to 5 participants via simple "drag and drop".</p>	
15.	Server	PowerEdge R720 2X Intel Xeon E5-2620 2.00GHz, 15M Cache, 7.2GT/s QPI, Turbo, 6C, 95W, DDR3-1333MHz,2x4GB RDIMM, 1333 MHz, Low Volt, Dual Rank,3x300GB, SAS 6Gbps, 3.5-in, 15K RPM Hard Drive (Hot-plug),Redundant Power, PERC H710 Integrated RAID Controller, 512MB NV Cache ,3Yr-NBD	1
16.	Server	PowerEdge R210 II Chassis, 2x3.5" Cabled HDDs, Quad-Pack LED Diagnostics, Intel Xeon E3-1220 Processor (3.1GHz, 4C/4T, 8M Cache, 80W, Turbo),4GB Memory (1x4GB Dual Rank LV UDIMM) 1333MHz,2 x 1TB SATA 7.2k 3.5" HD Cabled,RAID 1 with PERC S100 ,3Yr- NBD	3
17.	Patch Panel	Supply and installation of M3Patch Panal 24port giga speed	6
18.	Patch Panel	Supply and installation of M3Patch Panal 48port giga speed	1
19.	Switcher	Supply and installation of Cisco Switch 24port 100Mb	3

Science Center Phase I Provision AI-Qaseem Science Center with Technical Devices

20.	Switcher	Supply and installation of Cisco Switch 24port100M with 2port Giga	3
21.	Cabin 42U	Cabin 42U 800 mm * 1000 mm with a fixed shelf, slided shelf, moving wheels and Power outlet	1
22.	Cabin 27U	Cabin 27U 600 mm * 800 mm with a fixed shelf, slided shelf, moving wheels and Power outlet	2
23.	Screen,KB& Mouse	Dell Screen KB&Mouse for servers	4
24.	2port KVM	2port KVM	1
25.	Access point	Trendent AP	15
26.	UPS	APC UPS 1KV	2
27.	UPS	APC UPS 1.5KV	1
28.	Video Conference System	Supply , installation and training forLifeSize Room 220 complete set.	2
29.	Mixing Desk	24 channels 2 dual stereo inputs with 4-band EQ Neutrik mic XLR Neutrik 1/4 inch jacks Super wide gain 'DuoPre' mic line input 4-band EQ with 2 swept mids and in/out switch Illuminated mute Sound image pan Illuminated PFL & peak warning indicator ALPS 100mm faders 6 auxiliary sends (2 pre, 2 post, 2 pre/post) 4 sub groups fed from each channel All inputs with level control 12 bar meters L, R and M main mix outputs 2 matrix sections available; can send output to USB Individual channel 48V phantom power Direct output on every mono channel Peak and signal indication on every channel Configurable USB stereo audio in/out Master level controls on all outputs Easy to use layout – all connections and controls on top surface Cakewalk SONAR X1 LE bundled with mixer	1
30.	Power	Power Rating 8 ohms / 1 kHz (both channels driven): 500W	2

Science Center Phase I Provision AI-Qaseem Science Center with Technical Devices

	Amplifier	<p>8 ohms / 1 kHz (single channels driven): 600W 4 ohms / 1 kHz (both channels driven): 700W 4 ohms / 1 kHz (single channels driven): 850W</p> <p>Input Sensitivity 1.2 Vrms Input Impedance Greater than 20k (balanced) Gain 34.4dB Frequency Response 20Hz - 20kHz, +0, -1 dB Signal-to-Noise Ratio 100dB Total Harmonic Distortion (THD) 8 ohms: less than 0.05% 4 ohms: less than 0.1% Input Connections 3-pin XLR and 1/4" TRS, balanced, parallel Phono, unbalanced Output Connectors Speakon, 1/4", Binding Posts Controls Front Panel Gain controls, 21 detents Red Clip LEDs, proportional, 0.1% THD threshold Green Signal LEDs, threshold -35 dB Blue Power LED, AC on Controls (Rear) Full Range / Crossover switch 100 Hz, 3rd order LP (sub), 2nd order HP (top)</p>	
31.	Power Amplifier	<p>Stereo Mode: 8Ω EIA 1 kHz 1% THD - 800W 4Ω EIA 1 kHz 1% THD - 1250W 2Ω EIA 1 kHz 1% THD - 2000W Bridged Mono: 8Ω EIA 1 kHz 1% THD - 2600W 4Ω EIA 1 kHz 1% THD - 4000W</p> <p>Input Sensitivity 26dB Setting - 3.92V 32dB Setting - 1.96V Input Impedance > 10kΩ balanced, or unbalanced Gain 36.4dB Frequency Response 20Hz to 20kHz, +/- 0.2dB Signal-to-Noise Ratio -105dB Total Harmonic Distortion 0.02% @ 2Ω</p>	4

Science Center Phase I Provision AI-Qaseem Science Center with Technical Devices

		<p>(THD) 0.005-0.01% @ 4Ω 0.002-0.01% @ 8Ω</p> <p>Input Connections Input: XLR Male, XLR Female and 3-pin detachable terminal blocks (1 each per channel) DataPort: HD-15, input signal in parallel with XLR input connectors</p> <p>Output Connectors Output: Neutrik Speakon (ch 1 wired to both channels) and 5-way binding posts</p> <p>Controls Front Panel AC Power Switch Gain Controls, 21 detents, 1 dB steps (each channel) Input Mode: Bridge , Stereo , or Parallel</p> <p>Controls (Rear) Gain / Sensitivity: 26dB , 32dB , or 1.2V High Pass (each channel): 3Hz (Off), 30Hz , or 50Hz Clip Limiter (each channel): Off, On</p> <p>Indicators Clip Limiter (each channel): Off, On</p> <p>Cooling Flow-thru air path and solid aluminum heat sinks</p>	
32.	Dual CD/MP3 Player	<p>Key Adjust / Master Tempo (CD or MP3) P3 Hot Starts and Seamless Looping Capability Cue Stutter (CD or MP3) CD Text and ID3 Tag Support Auto BPM Counter Wider Pitch Ranges (CD+24 / 50 / 100%) Auto BPM Counter (CD or MP3) CD TEXT support (with scrolling display for long names) CD Memo Function Cue Point, Playback Pitch and Range, Pitch On/Off, Key</p>	2
33.	Metal Cabinet	<p>26U High quality products Fits decoration and environment Secure and sturdy Easy to maintenance and high inner volume High security for unauthorized peoples High protection for all physical effects Width : 600 mm. Depth : 780 mm. STANDARDS : ISO9001:2000, IEC 297-1</p>	3
34.	Ceiling Square	<p>Speaker type 2-way in-wall speaker Frequency range 40 Hz to 20 kHz, -10 dB, half space</p>	12

Science Center Phase I Provision Al-Qaseem Science Center with Technical Devices

	Speaker	<p>Power capacity 30 W continuous pink noise 60 W continuous program</p> <p>Nominal sensitivity 89 dB SPL, 1 W, 1 m, half space</p> <p>Nominal impedance 8 ohms</p> <p>Crossover frequency 2.5 kHz</p> <p>Woofer (1) 6.5" (165 mm) polypropylene cone with moisture resistant coating</p> <p>Tweeter (1) 0.75" (19 mm) titanium dome</p> <p>Input connector (1) 5 mm captive screw connector, 2 pole</p>	
35.	Ceiling Round Speaker	<p>Speaker type 2-way ceiling speaker</p> <p>Frequency range 70 Hz to 20 kHz, -10 dB, half space</p> <p>Power capacity 30 W (rms) continuous pink noise (per IEC 60268-5) 60 W (rms) continuous program</p> <p>Nominal sensitivity 88 dB SPL, 1 W @ 1 m, half space</p> <p>Nominal impedance 8 ohms per speaker</p> <p>Crossover frequency 3.5 kHz</p> <p>Nominal coverage angle 90° conical coverage</p> <p>Rotary switch taps 70 V input 16 W, 8 W, 4 W, 2 W, 1 W, 8 ohms direct 100 V input 16 W, 8 W, 4 W, 2 W, 8 ohms direct</p> <p>Woofer (1) 6.5" (165 mm) polypropylene cone with moisture resistant coating</p> <p>Tweeter (1) 0.75" (19 mm) PEI dome</p>	22
36.	Power Amplifier	<p>60 Watt Output Power</p> <p>Four Microphone / Line Inputs</p> <p>Switchable Phantom Power</p> <p>Speaker Terminal Outputs</p> <p>Level Control for Each Input</p> <p>Bass and Treble Controls</p>	3
37.	Metal Cabinet	<p>9U</p> <p>High quality products</p> <p>Fits decoration and environment</p> <p>Secure and sturdy</p> <p>Easy to maintenance and high inner volume</p> <p>High security for unauthorized peoples</p> <p>High protection for all physical effects</p>	4

Science Center Phase I Provision Al-Qaseem Science Center with Technical Devices

		Width : 600 mm. Depth : 600 mm. STANDARDS : ISO9001:2000, IEC 297-1	
38.	Monitor Speaker	Two-way powered speaker with woofer . 75-degree vertical and horizontal coverage angle . 400-watt continuous Class D power amplifier, via a 2 x 200-watt bi-amped system .	2
39.	Wall Speaker	Speaker type 1-way, full range, indoor surface mount speaker Frequency range 75 Hz to 18 kHz, -10 dB, full space Power capacity 15 W (rms) continuous pink noise (per IEC 60268-5) 30 W (rms) continuous program Nominal sensitivity 83 dB SPL, 1 W, 1 m, full space Nominal impedance 8 ohms Driver (1) 3" (76.2 mm) paper cone	12
40.	Wall Speaker	Speaker type 2-way, indoor surface mount speaker Frequency range 50 Hz to 20 kHz, -10 dB, full space Power capacity 90 W continuous pink noise 180 W continuous program Nominal sensitivity 90 dB SPL, 1 W, 1 m, full space Nominal impedance 8 ohms Crossover frequency 2.1 kHz Woofer (1) 8.0" (203 mm) polypropylene cone with moisture resistant coating Tweeter (1) 1.0" (25 mm) aluminum dome	4
41.	Wireless Handhelds Microphone	RF Power Output: High: 30mW; Low: 10mW, nominal Spurious Emissions: According to National Regulations Microphone Element: Dynamic, unidirectional Batteries: Two 1.5V AA alkaline Current Consumption: 150 mA typical Battery Life: Approximately 9 hours (low), 7 hours (high)	5
42.	Wireless Belt Packs Microphone	RF Power: Output High: 30mW; Low: 10mW, nominal Spurious Emissions: According to National Regulations Batteries: Two 1.5V AA alkaline Current Consumption: 150 mA typical Battery Life: Approximately 9 hours (low), 7 hours (high)	5
43.	Wire	FREQUENCY RESPONSE 30-20,000 Hz	6

Science Center Phase I Provision Al-Qaseem Science Center with Technical Devices

	Handhelds Microphone	<p>LOW FREQUENCY ROLL-OFF OPEN CIRCUIT SENSITIVITY IMPEDANCE MAXIMUM INPUT SOUND LEVEL DYNAMIC RANGE (typical) SIGNAL-TO-NOISE RATIO PHANTOM POWER REQUIREMENTS SWITCHES OUTPUT CONNECTOR</p>	<p>80 Hz, 18 dB/octave -40 dB (10.0 mV) re 1V at 1 Pa 250 ohms 138 dB SPL, 1 kHz at 1% T.H.D. 109 dB, 1 kHz at Max SPL 65 dB, 1 kHz at 1 Pa 11-52V DC, 4 mA typical Flat, roll-off; mute/on Integral 3-pin XLRM-type</p>	
44.	Floor Box	<p>Stainless steel trimmed floor box Rust-resistant Floor Socket Dimension :10 ×10 cm 2 × XLR Socket</p>		12
45.	Audio Cables	<p>Conductor 14 AWG Shielded Cable, PVC Jacket, CMR, Gray, 1000 ft. 14 AWG copper conductors, PP insulation, PVC jacket with ripcord . sequential footage marking every two feet. Suitable For Intercom/PA Systems, Sound/Audio Systems</p>		8
46.	AV Transmitter signal	<p>Input: Female 15-pin HD Output: Female RJ-45 connector Transmits high resolution video and summed mono audio signals over a single CAT 5-type cable Supports RGBHV, RGBS, RGsB, RsGsBs, component video, S-video, and composite video Compatible with HDTV component video, bi-level or tri-level sync</p>		2
47.	AV signal Receiver	<p>Input: Female RJ-45 connector - all models Output: One female 15-pin HD connector, one 3.5 mm captive screw connector, one female RJ-45 loop through connector Receives high resolution video and mono audio signals 600 feet (185 meters) or more over a single CAT 5-type cable Supports RGBHV, RGBS, RGsB, RsGsBs, component video, S-video, and composite video Compatible with HDTV component video, bi-level or tri-level sync Separate variable level and peaking controls</p>		2
48.	Operating and Installation	<p>Installation and operating for all devices and cables with a high Standards and ensures compatibility. Provide the project with all drawings and illustrations for all installation and operating .</p>		

		Provide the project with Arabic help guide for all devices and operations	
49.	PROJECTOR UNIT	<p>Brightness*2 13,000 lm (2-lamps, lamp power: Auto/Normal, Optional lens: ET-ELSo3)</p> <p>Pure color control device 1</p> <p>Lens Focal Length 97-131mm f/Stop f/1.7-2.6 Optical Zoom 1.4x Throw Ratio 2.6-3.5:1 Length 10" (254mm)</p> <p>Lamp 380 W x 2, lamp replacement cycle (lamp power: Normal/Eco1, Eco2): 2,000 hours/3,000 hours*1</p> <p>Screen size (diagonal) 1.02-15.24 m (40-600 inches) (2.54-15.24 m [100-600 inches] with the ET-ELSo3), 4:3 aspect ratio</p>	1
50.	Projection Motorized Screen	<p>Screen Height 236 "</p> <p>Screen Width 236 "</p> <p>Projector Screen Type Motorized</p> <p>Control Wireless Remote and wire Remote</p>	1
51.	LED Television 24 inch	<p>Type : LED TV</p> <p>Resolution:1366 x 768</p> <p>Connectivity : 2 x HDMI & 1 x USB</p> <p>Screen Size : 24 Inch</p> <p>Refresh Rate : 200Hz</p>	11
52.	Visualizer	<p>Auto focus and re-focus</p> <p>Auto adjust on brightness</p> <p>USB input available</p> <p>Infrared remote control</p> <p>1.3 million resolution camera</p> <p>resolution > 600 TV line</p> <p>VGA Input/output port</p>	1
53.	Mechanical Floor Box	<p>Durable pneumatic movement and mechanical latching mechanism</p> <p>Top surface available in black anodized finish</p>	3

Science Center Phase I Provision AI-Qaseem Science Center with Technical Devices

		<p>One female 15-pin HD connector and 3.5 mm mini stereo audio jack Two CAT 6 RJ-45 network/data/phone connectors; unswitched AC outlet Available with US AC discrete power outlet UL/c-UL listed and CE compliant Installation routing template available</p>									
54.	AV Switch	<p>8x8 fixed I/O sizes Supports computer video up to 1920x1200, including HDTV 1080p/60 Supported HDMI specification features include data rates up to 6.75 Gbps, Deep Color up to 12-bit, 3D, and HD lossless audio formats HDCP compliant Provides exceptional switching speed for HDCP-encrypted content Supports DDC transmission — DDC channels are actively buffered, allowing continuous communication between source and display. Automatic color bit depth management — The switcher automatically adjusts color bit depth based on the display EDID, preventing color compatibility conflicts between source and display. HDMI to DVI Interface Format Correction — Automatically reformats HDMI source signals for output to a connected DVI display. Automatic output reclocking — Reshapes and restores timing of HDMI signals at each output, enabling transmission over long HDMI cables.</p>	1								
55.	Video Camera	<table border="1"> <tr> <td>Signal System</td> <td>NTSC/PAL</td> </tr> <tr> <td>Image Sensor</td> <td>1/3" Color CMOS</td> </tr> <tr> <td>Number of Pixels</td> <td>2 Megapixels</td> </tr> <tr> <td>Resolution</td> <td> <p>HD</p> <p>1080/59.94i 1080/50i 1080/29.97p 1080/25p 720/59.94p 720/50p 720/29.97p 720/25p</p> </td> </tr> </table>	Signal System	NTSC/PAL	Image Sensor	1/3" Color CMOS	Number of Pixels	2 Megapixels	Resolution	<p>HD</p> <p>1080/59.94i 1080/50i 1080/29.97p 1080/25p 720/59.94p 720/50p 720/29.97p 720/25p</p>	4
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Science Center Phase I Provision Al-Qaseem Science Center with Technical Devices

Lens	HD-Focal Length: 3.4-33.9mm(F1.8-2.1) Zoom: 10x optical, 40x digital Focus: Auto/Manual MOB: 100mm (wide) Horizontal Viewing Angle: 8-70° (T/W)	
Iris Operation	Auto/Manual	
Minimum Illumination	15 Lux (50 IRE)	
Signal to Noise Ratio	50dB	
Pan Angle	+/- 100°	
Pan Speed	300° per second	
Tilt Angle	+/- 25°	
Tilt Speed	125° per second	
Preset Positions	6	
Microphone	No	
Picture Control	Gain White Balance Electronic Shutter	
Video Output	HD HD-SDI x1 HD Component (15-pin) x1 SD RCA x1 S-Video x1	

Science Center Phase I Provision AI-Qaseem Science Center with Technical Devices

		<table border="1"> <tr> <td>Audio Output</td> <td>No</td> </tr> <tr> <td>Motion Detection</td> <td>No</td> </tr> <tr> <td>Sync System</td> <td>Tri Level Sync / VD-OUT</td> </tr> <tr> <td>Control Port</td> <td>8-Pin DIN RS-232C x2 (1 in, 1 out)</td> </tr> <tr> <td>Communication Protocol</td> <td>VISCA</td> </tr> <tr> <td>Alarm I/O</td> <td>No</td> </tr> <tr> <td>Power Requirements</td> <td>12 VDC</td> </tr> <tr> <td>Power Consumption</td> <td>30W</td> </tr> <tr> <td>Operating Temperature</td> <td>32 - 104°F (0 - 40°C)</td> </tr> <tr> <td>Dimensions (WxHxD)</td> <td>10.3 x 6 x 6.7" (259 x 150 x 169mm)</td> </tr> <tr> <td>Weight</td> <td>4.5 lbs (2 kg)</td> </tr> </table>	Audio Output	No	Motion Detection	No	Sync System	Tri Level Sync / VD-OUT	Control Port	8-Pin DIN RS-232C x2 (1 in, 1 out)	Communication Protocol	VISCA	Alarm I/O	No	Power Requirements	12 VDC	Power Consumption	30W	Operating Temperature	32 - 104°F (0 - 40°C)	Dimensions (WxHxD)	10.3 x 6 x 6.7" (259 x 150 x 169mm)	Weight	4.5 lbs (2 kg)	
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56.	Camera Control Unit	<p>Remote Control Unit for robotic cameras. Easy-to-use and ergonomic joystick design. Feature-rich control panel. Control up to 6 Camera . Camera control interface RS-232C (VISCA protocol) / RS-422 (VISCA protocol) . External control Contact closure .</p>	1																						
57.	Audio Video Mixing Switcher	<p>Video Formats HD mode: HD 1080 / 59.94i, 1080 / 50i, 720 / 59.94p, 720 / 50p SD mode: SD 480 / 59.94i, 576 / 50i</p> <p>Video Input HD mode: 4x HD-SDI: BNC (SMPTE-292M, 299M, 259M-C, 272M-A) 3x HDMI (Type A) 1x DVI-I: SXGA, WXGA, XGA, HDTV60 (1080 / 60p), HDTV50 (1080 / 50p) with Frame Synchronizer</p>	1																						

Science Center Phase I Provision AI-Qaseem Science Center with Technical Devices

		<p>SD mode: 4x SD-SDI: BNC 3x Composite: BNC 1x DVI-I: SXGA, WXGA, XGA with Frame Synchronizer 1</p> <p>HD mode: 4x HD-SDI: 1x PGM, 2x AUX, 1x Multi Viewer: BNC (SMPTE-292M, 299M, 259M-C, 272M-A) 1x Multi Viewer DVI-D (WUXGA, HDTV, SXGA, WXGA, XGA) 1x AUX DVI-D</p>	
	Video Output	<p>SD mode: 4x SD-SDI: 1x PGM, 2x AUX, 1x Multi Viewer: BNC (SMPTE-292M, 299M, 259M-C, 272M-A) 1x Multi Viewer DVI-D (SXGA, WXGA, XGA) 1x AUX DVI-D 1x Composite (AUX): BNC 2</p>	
	Audio Input	<p>4x SDI (Embedded) 3x HDMI (Embedded) 2x MIC / LINE (XLR / TRS combo: Balance) 4x MIC / LINE (TRS phone: Balance) 2x LINE (Phono jack: Unbalance)</p>	
	Audio Output	<p>3x SDI (Embedded) 2x PGM (XLR: Balance) 2x AUX (TRS phone: Balance) 2x MON (TRS phone: Balance) 2x MIX (Phono jack: Unbalance) 1x Headphone (standard stereo)</p>	
	Delay	Audio Delay Adjustment up to 7.5 frames 3	
	Monitoring	<p>Audio monitoring function: Selected audio channel PGM, AUX1, AUX2 or MIX</p>	
	Reference Input	<p>HD mode: Analog black burst or Tri-level sync, loop through 75 Ω: BNC SD mode: Analog black burst, loop through 75 Ω: BNC</p>	
	Reference Output	<p>HD mode: Analog black burst or Tri-level sync, 75 Ω: BNC SD mode: Analog black burst, 75 Ω: BNC</p>	

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		<p>USB 1x Type A</p> <p>Remote 1x RS-232C: D-sub 9-pin (for switcher control from external devices)</p>	
58.	Recorder Unit	<p>SD Format Support : 625/25 PAL and 525/29.97 NTSC. 480p60 and 576p50 via HDMI</p> <p>HD Format Support : 720p50, 720p59.94, 720p60, 1080i50, 1080i59.94, 1080i60, 1080PsF23.98, 1080PsF24, 1080PsF25, 1080PsF29.97, 1080PsF30, 1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p30</p> <p>Codec Support Uncompressed QuickTime, Apple ProRes 422 (HQ) QuickTime, ProRes 422 QuickTime, ProRes 422 (LT) QuickTime, ProRes 422 (Proxy) QuickTime, Avid DNxHD QuickTime, Avid DNxHD MXF</p> <p>2 x 480 GB SD</p> <p>SD USP Reader Support</p> <p>Built-in LCD for video, audio and timecode monitoring and menu settings.</p> <p>HDMI Videos Input 1 x HDMI type A connector including Ultra HD 4K.</p>	1
59.	Scaling Presentation Switcher	<p>Integrates HDMI, analog video, and audio sources into presentation systems.</p> <p>Two DTP inputs, four HDMI inputs, and two universal analog video inputs.</p> <p>Three simultaneous video outputs.</p> <p>Integrated DTP inputs and output support transmission of HDMI, control, and analog audio over a shielded CATx cable.</p> <p>Available with integrated IPCP Pro 350 control processor.</p> <p>Available with energy efficient Class D stereo or mono amplifier.</p> <p>2 x 50 watts @ 4 ohms; 2 x 25 watts @ 8 ohms</p> <p>1 x 100 watts @ 70 volts</p>	1
60.	Video Signal Distribution	<p>Distributes HDMI video and embedded multi-channel digital audio signals</p> <p>Input: One female HDMI type-A connector</p> <p>Output: six female HDMI type-A connectors</p> <p>HDCP compliant</p> <p>Supports computer video up to 1920x1200, including HDTV 1080p/60 and 2K</p> <p>Supported HDMI specification features include data rates up to 6.75 Gbps, Deep Color up to 12-bit, 3D, Lip Sync, and HD lossless audio formats.</p>	3
61.	HDMI Extender	<p>Transmits HDMI plus control and analog audio up to 230 feet (70 meters) over a shielded CATx cable — The DTP HDMI 230 Tx provides high reliability and maximum performance on an economical and easily installed cable infrastructure.</p> <p>Inputs: One HDMI, one 3.5 mm stereo mini jack for audio</p> <p>Output: One DTP 230 twisted pair output on RJ-45</p> <p>Supports computer video up to 2560x1600, HDTV 1080p/60 Deep Color, and</p>	7

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		<p>4K resolutions Compatible with CATx shielded twisted pair cable — Shielded twisted pair cabling with solid center conductor sizes of 24 AWG or better is recommended for optimal performance. Accepts additional analog stereo audio signals — The DTP HDMI 230 Tx accepts stereo analog audio signals for simultaneous transmission over the same shielded twisted pair cable. Analog audio is not embedded onto the digital video signal. Supports multiple embedded audio formats — The DTP HDMI 230 Tx is compatible with a broad range of multi-channel audio signals, providing reliable operation with HDMI sources. Supported HDMI specification features include data rates up to 10.2 Gbps, Deep Color up to 12-bit, 3D, HD lossless audio formats, and CEC pass-through HDCP compliant</p>	
62.	HDMI Receiver	<p>Receives HDMI plus control and analog audio up to 330 feet (100 meters) over a shielded CATx cable — The DTP HDMI 330 Rx provides high reliability and maximum performance on an economical and easily installed cable infrastructure. Input: One DTP 330 twisted pair input on RJ-45 Outputs: One HDMI, stereo audio on captive screw Supports computer video up to 2560x1600, HDTV 1080p/60 Deep Color, and 4K resolutions Compatible with CATx shielded twisted pair cable — The DTP HDMI 330 Rx fully supports a maximum transmission distance of 330 feet (100 meters) for all compatible resolutions when used with CATx shielded twisted pair cable. Shielded twisted pair cabling with solid center conductor sizes of 24 AWG or better is recommended for optimal performance. Accepts additional analog stereo audio signals — The DTP HDMI 330 Rx accepts stereo analog audio from a DTP 330-enabled product. Embedded digital audio is not de-embedded from the digital video signal. Supports multiple embedded audio formats — The DTP HDMI 330 Rx is compatible with a broad range of multi-channel audio signals, providing reliable operation with HDMI sources. Supported HDMI specification features include data rates up to 10.2 Gbps, Deep Color up to 12-bit, 3D, HD lossless audio formats, and CEC pass-through HDCP compliant</p>	7
63.	Dual level Desk	<p>Dual level project desk system w/8-space rack holders and contoured cherry wood tops Main Shell dimensions: Height from floor (3): 27.3" - 29" - 30.3" - 69.5 - 73.5 - 77 cm</p>	1

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		<p>Width: 68.68" 175 cm Depth: 23.94" - 61 cm Thickness: 18 mm Top Shelf dimensions Height from floor: 39.25" - 100 cm Width: 76.93" - 196 cm Depth: 14.71" - 37.5 cm Thickness - 18 mm</p>	
64.	Towers side lighting	On the right and left sides of theater	2
65.	outstanding lighting	(mobilized) / 2 m one stand	10
66.	Fog Heater Machine ماكينة الدخان	<p>Power: AC 230 V/AC 240 V, 50 Hz or AC 100 V/AC 120 V/60 Hz optionally Heater: 1,500 W Output: 20,000 cu.ft/min. Fluid Consumption Rate: 8.5 min/l (100% Output) First Heat up Time: 8.5 min. Tank Capacity: 6 liters Remote Included: Timer Remote Fluid used: Standard Fog/Performance Fog/Premium Fog</p>	2
67.	Conventional Projectors	<p>PC / Fresnel Ø 150 mm lens; Optical lens available on request Focal adjustment with endless screws from 10° to 64° (SCENA 1000 S PC), from 13° to 53° (SCENA 1000 S FR) Spherical reflector in polished and treated 99.9% aluminium Lamp holder GX9.5 lampholder for 650/1000 W lamps Extremely smooth and precise lamp holder movement on a triple track; Power supply 230V 50 / 60 Hz</p>	30
68.	Compact Intuitive Lighting Consoles	<p>Playback stack Patching to 512 DMX channels DMX in allowing snapshots of all 512 DMX channels VGA Monitor Port USB storage and keyboard support MIDI Notes & Show Control Lock Function LCD Display for stand-alone use Online Help in multiple languages Offline Editor Remote triggers</p>	1

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		<p>RDM enabled Upgradeable firmware 30 Fixtures 24/48 channels of control 48 Sub masters 24 Auxiliary Buttons Fixture Library with almost 3000 types Moving light effects system</p>	
69.	Digital Dimmer	<p>6 channels 0.1A min / 10 A max Channel capacity 60 Amps Total dimmer capacity Dimmer Duty Cycle: 100% Supply Voltage: 230V (+10% -18%) Single Phase (2 wire) - with optional linking bar Three Phase Star (4 wire) Supply Frequency: 45 - 65Hz auto tracking Rise Time: 80 uS Control Input: DMX512 (Isolated) via 5 Pin XLR fixed male with loop through and selectable termination ChilliNet enabled (responds to all areas/zones)</p>	6
70.	LED moving head projector	<p>120 LEDs (30 Red, 30 Green, 30 Blue, 30 White); 9.750 lumens. 16 million colours. 2 colour mixing modes (RGBW / CMY) Variable linear colour temperature (2800°K – 6500°K) Multi-function OLED graphic colour display + 4 soft keys: control / management / monitoring of the main parameters Controlled via DMX 512 standard digital communication protocol Wireless ready; Ethernet Ready 17 DMX channels 'FAR' Free Axis Rotation system (patent pending) optional: limitless pan / tilt rotation, in either direction, never having to reverse motion 16-bit movement resolution Ultra-fast movement: Pan 540° (2 sec.); Tilt 270° (1,2 sec.) 4 Selectable speed ranges</p>	6
71.	LED projector	<p>Beam angle: 8° / 20° /36° Lumens: 5200 LED Channels: Red/Green/Blue/White LED lifespan: 50,000 hours (70% lumen output)</p>	6

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		<p>Main voltage of PSU: AC 90-260 V, 50-60 Hz Power consumption: 100W Max Interface: DMX 512 Supply / Control system FC: Z1 or Z8 Fixtures x Power Supply FC: 1 (Z1); 8 (Z8)</p>	
72.	Profile Projector	<p>High definition zoom lens double optical condenser lens Optical tempered glass lenses with anti-reflective coating Spherical reflector in polished and treated 99.9% aluminium GX9,5 lamp holder for 1000W lamps Internal rotating system with four removable shutters Zoom 18° ÷ 36° Precision movement on a double track Scales on zoom guides</p>	12
73.	Flood light	<p>symmetric flood Beam Typical throw distance: 2 - 10m Supply Volts: 230/240V AC single phase Max. Lamp Watts: 1250W Lamp base: R7s Auto-disconnect: double-pole micro switch Cable/connection: 1.5m, 3x1.5mm² flexible cable to bare ends Lamp House Construction: steel-sheet body with hinged Extended front access door Reflector: symmetrical, aluminum Safety glass: included Colour frame: metal, 290 x 270mm supplied Lamp access: front access</p>	2
74.	Follow spots	<p>Lamp 2000 msr optical system double condenser + zoom reflector 68mm dia. glass ballast electronic, flicker-free ballast color frame 7.25 x 7.25 in throw 30 - 165 ft beam angle 8°-22° voltage 180V/265V lamp base PGJ X 50</p>	1
75.	Lighting Unit for corridors side	<p>25 watts with protection cover with extension</p>	80

76.	Supplying and installation emergency lights	used if the electricity is cut off and shall be spread all over the stage.	8
77.	Supplying and installation	3wall pin-plugs to as a source of electricity and providing it feeding cables of 6 MM.	12
78.	Supplying and installation	a switch panel for electricity so as to be used for cutting off the electricity , made in Europe including 24 Pieces for control	1
79.	Supplying and installation	curtains covers (placed in front of the main curtain) in semi-circles shapes.	1
80.	Supplying and installation	internal wooden covers for curtains and dropping about 70 cm and to be hung by metal posts and holders	6
81.	Supplying and installation	side backstage , installed at the sides of the stage so as to give a beautiful view with the curtains	10
82.	Seats	Suitable for lecturers table with a high quality standards.	5
83.	Open Conference System	<p>Chairman's Unit (1)</p> <ol style="list-style-type: none"> 1. Removable gooseneck microphone and built-in speaker. 2. A ring-shaped LED on the microphone indicates that the microphone is on. 3. To prevent howling, the built-in speaker is turned off while the microphone is on. 4. Press-to-talk priority speech button activates chime and overrides delegate's units. 5. Pres-on/off talk button. 6. 8P quick lock type mini connector. 7. Multiple simultaneous chairman's units operation possible. 8. Connection cord supplied. <p>Delegate's Unit(40)</p> <ol style="list-style-type: none"> 1. Removable gooseneck microphone and built-in speaker. 2. A ring-shaped LED on the microphone indicates that the microphone is on. 	1 set

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		<p>3. To prevent howling, the built-in speaker is turned off while the microphone is on.</p> <p>4. Press-to-talk priority speech button activates chime and overrides delegate's units.</p> <p>5. Pres-on/off talk button.</p> <p>6. 8P quick lock type mini connector.</p> <p>Meeting main Unit(1)</p> <p>1. Supplies DC power to all units, with lamp indicator.</p> <p>2. Jack for microphone input, and AUX 1 & 2 input jacks for access to PA and BGM system.</p> <p>3. Microphone, AUX 1, line and chime (on chairman's unit) volume Controls.</p> <p>4. Delegate's unit simultaneous operation (1,2,4 or 6) and automatic mic-off setting (Off/20-sec/40/sec) switches.</p> <p>5. Line 1 & 2 output connection terminals for 35 conference units each.</p> <p>6. RCA pin-jack and phone-jack recording output terminals.</p> <p>7. System expandable to 140 units by connection of 2 additional center amplifiers as expansion amplifier (35 units per expansion amplifier).</p>			
84.	PC desktop	Operating System	Windows 7 Professional 64 (available through downgrade rights from Windows 8 Pro)		
		Processor	Intel® Core™ i7-3770 with Intel HD Graphics 4000 (3.4 GHz, 8 MB cache, 4 cores)		
		Internal Drive	TB 7200 rpm SATA		
		Standard memory	4 GB 1600 MHz DDR3 SDRAM		
		Graphics	AMD Radeon HD 6350 (512 MB)		10
		Optical Drive	SATA SuperMulti DVD writer		
		Led screen	21 inch led		
Warranty	3/3/3 standard warranty. Three years onsite, next business day, three years parts and three years labor and includes free telephone support 24 x 7. Certain restrictions and exclusions apply.				

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- وثيقة سرية -

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