dVIEW
www.devieweurope.com

ATM Surveillance Camera
User Manual

700TVL High Resolution

CE

V531-KA005-S00
VER.06/2015

ATM Surveillance Camera Parts and Descriptions

OSD Control Connector

Camera Lead Connector

OSD Control Board

Short Bracket

Camera Lead Connector

Video Output

24VAC/12VDC

ATM Surveillance Camera

Dual Power Board

OSD Control Board Cable

Long Bracket

Extended Arms

*2 Knurling Knobs

*4 Black Screws

*4 Silver Shoulder Screws

*1 Top Thumb Screw

Screw Accessories

Wire-ended Power Adaptor Lead

12VDC

Video Output

Camera Lead Connector

* Supplied with Dual Power model only
** 12VDC only model cannot connect to dual power board

* Supplied with 12VDC model only
** 12VDC: connect directly to camera

Camera Installation and Connection

Installation

Choose an appropriate bracket from the two included (Short or Long).

To change the bracket, remove the screws on each side of the camera, remove the current installed bracket and then replace it with a new version. Reinstall the attaching screws to secure the bracket to the camera.

For specific locations, there are two extended arms which will allow the camera to be positioned forward.
1. Remove the bracket by loosening the securing screws and axis screws on both sides.
2. Place the two extended arms and secure the supplied axis screws to the camera. Then set the positioning screws back onto the camera.
   Note: slightly tighten the axis screw and make sure the extended arms are still rotatable.
3. Use the axis screws to install the bracket onto the extended arms and then secure the positioning screws. Adjust the position required and tighten the positioning screws so as to fix the camera to the desired view angle.

Note: Some installations require the bracket to be installed in the ATM machine before attaching to the camera.

In the accessory bag you have securing screws or thumb knobs that can be used to secure the camera. Choose which works best for the installation. Once the camera is mounted and positioned, secure the camera by tightening screws.

Connection
Dual Voltage Version
Mount dual power board in desired location then attach the camera lead. Next use the wire ended barrel plug to attach the appropriate power source and plug into the mating connector coming off the dual power board. Attach video cable and installation is complete.

12VDC Version
Attach the camera lead then use the wire ended barrel plug to attach the appropriate power source and plug into the mating connector in the wire harness. Attach video cable and installation is complete.

Make sure power is off before any connection is made.

Installation

1 Remove the bracket from the camera

2 Set up the extended arms

3 Secure the bracket and the extended arms onto the camera

4 Bracket Adjustments

90°

90°

Short Bracket

Long Bracket

90°

90°

90°

90°

Short Bracket with Extended Arms

Long Bracket with Extended Arms
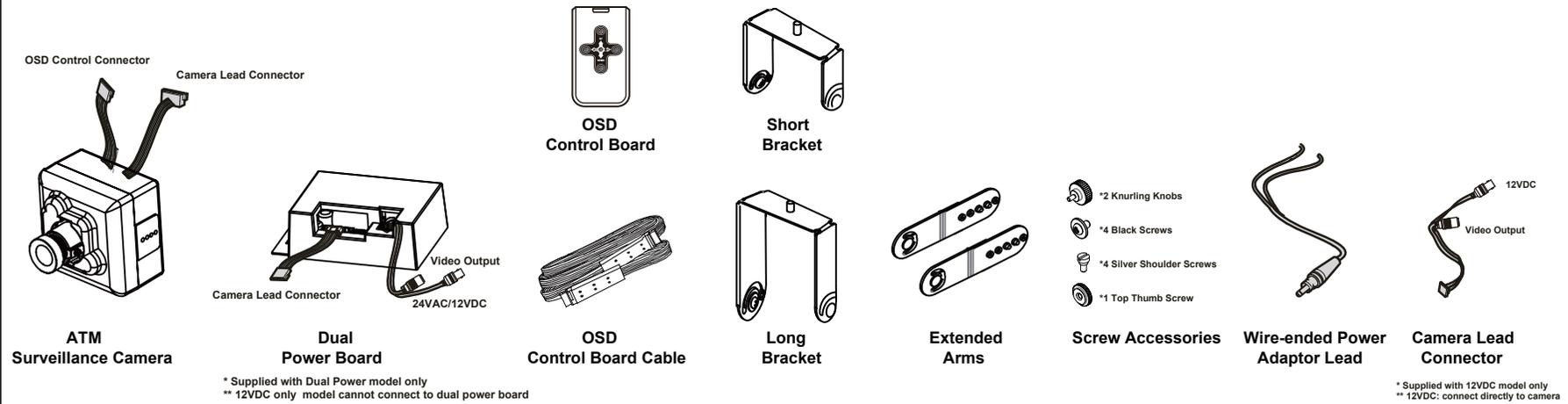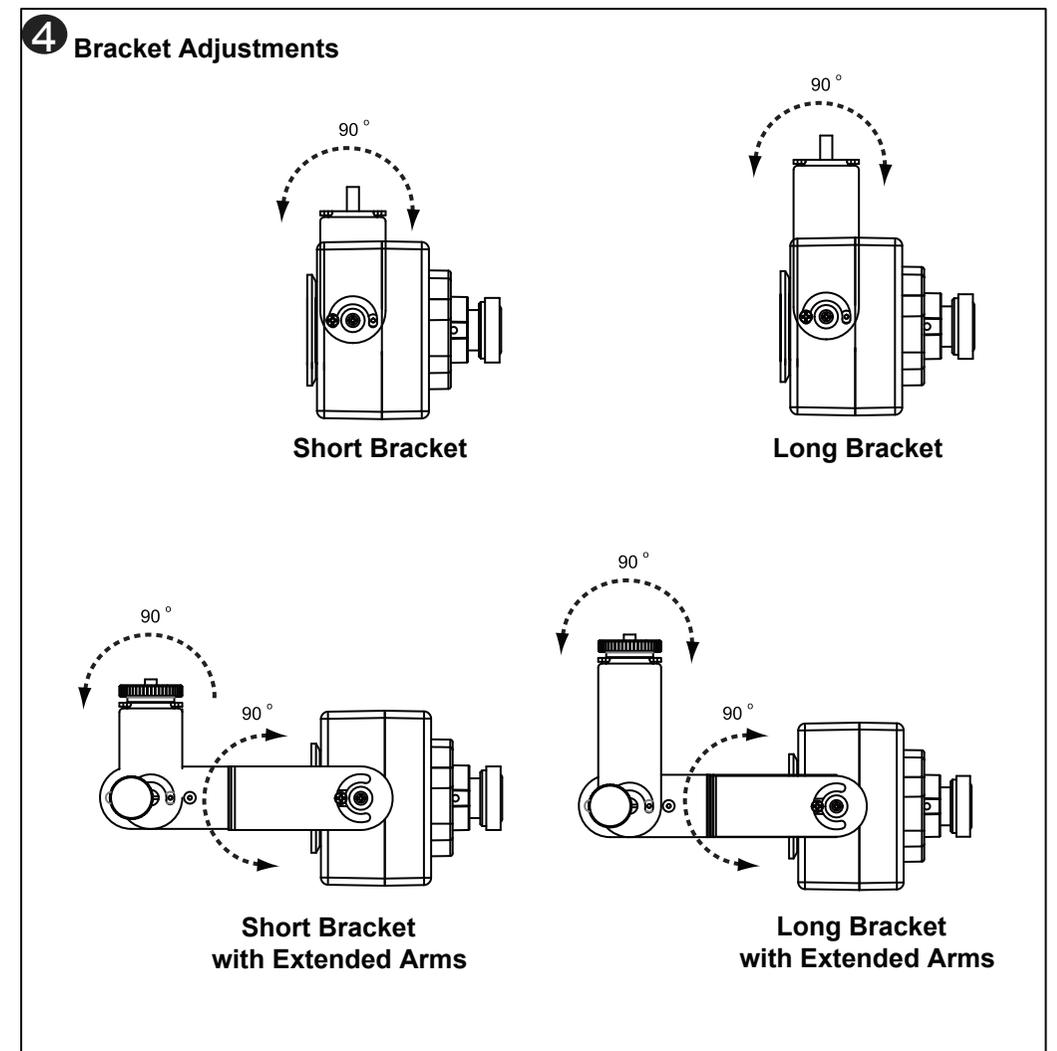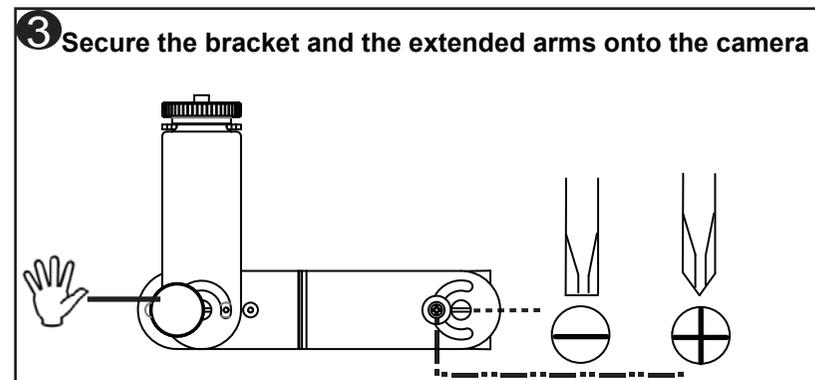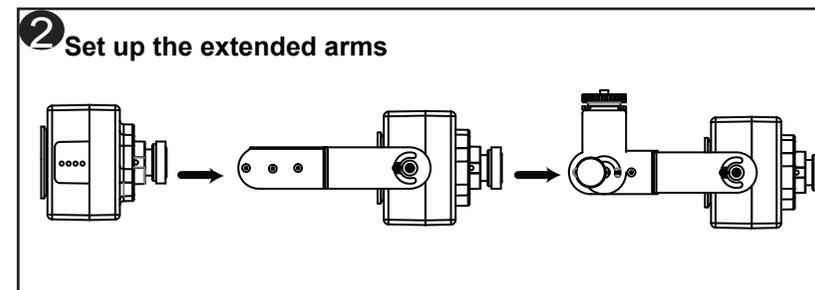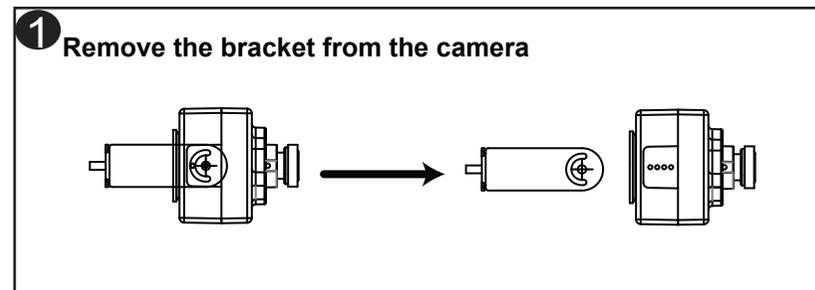
Note: There are multiple mounting positions on the extended arms which provide flexible mountings to different ATM machines.

The OSD Control Board and Programming

Connect the OSD Control Board Cable to the OSD Control Board (see image below)

OSD Control Board   OSD Control Board Cable
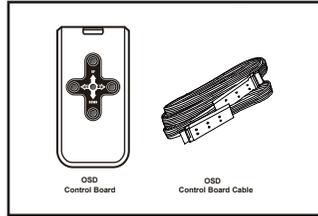
Connect the OSD Control Board to the Camera (see image below)

OSD Control Connector

Camera Lead Connector

ATM Surveillance Camera   OSD Control Board with Cable
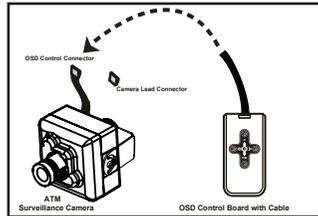
With power applied to the camera and a video monitor connected, press and hold the [ENTER] key for three seconds to access the OSD top level menu. A map of the setup menu options will be shown as the right of this sheet presented.

To navigate through the menus, use the arrow keys on the control board and use the [ENTER] key to select the menu field desired.

UP

LEFT

RIGHT

ENTER

DOWN
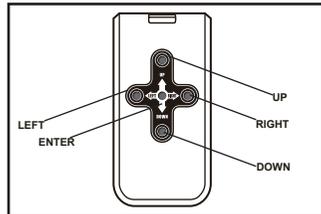
IMPORTANT:
When any changes made to the camera configuration, use the "SAVE SETTINGS" option in the "SAVE/RESTORE" menu to save. Otherwise any changes made will be lost when the camera is next reset or has its power cycled.

Control Menu Map

Press the [ENTER] key on the control board for three seconds to view the menu.

PAGE1

PAGE2

LANGUAGE ········ ENGLISH/中文/ESPANOL/PORTUGUES/PYCCKNN/FRANCAIS/DEUTSCH/日本語
VERSION
MAINTENANCE ··· W.PIX MASK ··· MANUAL ··· REGISTRATION
     └ CAMERA RESET   REG.POINT
                                        CURSOR COLOR
                                        BLINK
                                        REG.NUMBER
                    AUTO ··· RUN
                             BACK
                             DATA CLEAR
EXIT ··········· SAVE
          NOT SAVE
          CANCEL
          BACK
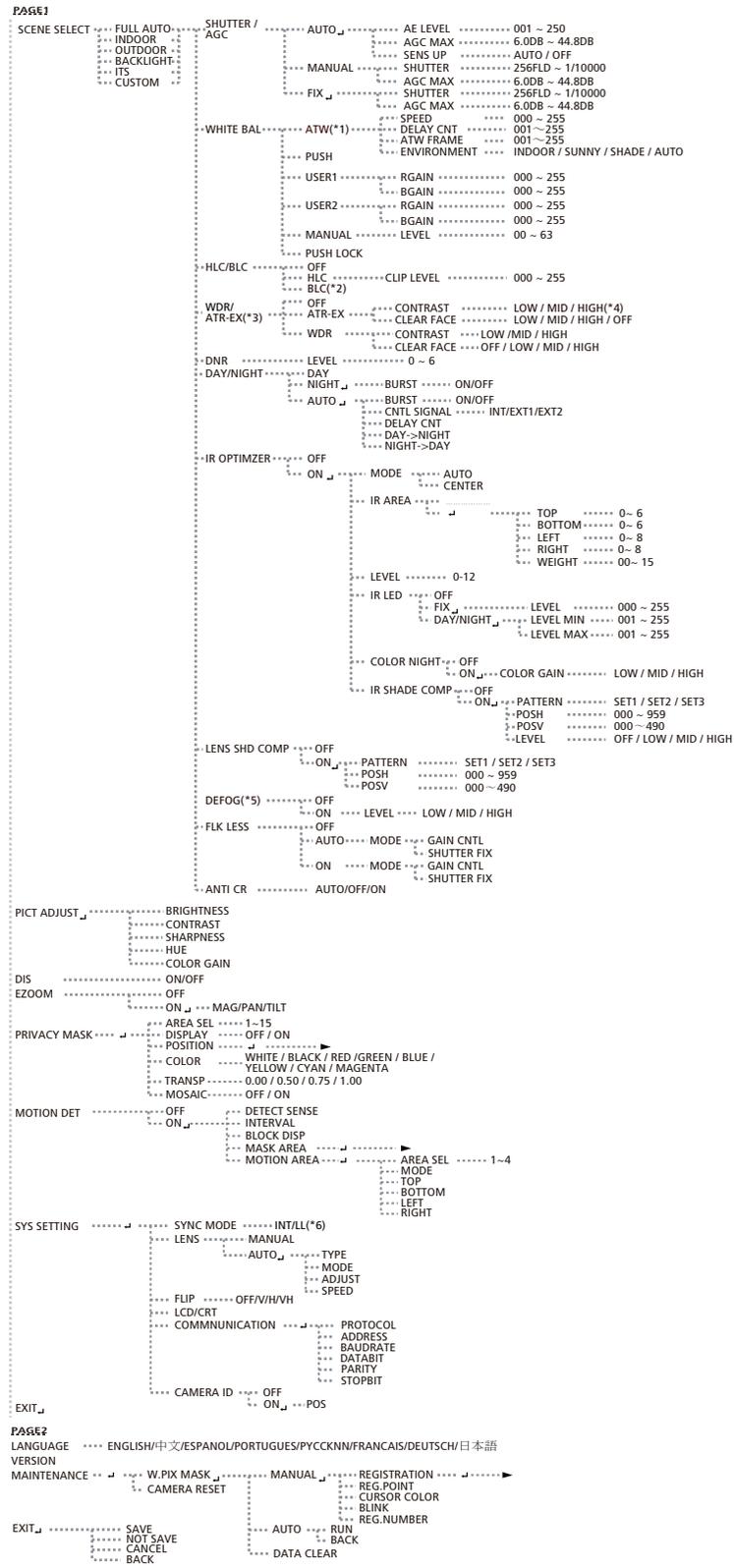
Menu Description

SETUP MENU
SCENE SELECT – The six modes can be selected.
   CUSTOM – This mode turns off the auto scene recognition. All functions canbe set and adjusted manually
   FULL AUTO – This mode supports various shooting scenes. It is not specialized to any particular scene, so it allows average shooting in any situation.
   INDOOR – This mode is specialized to indoor scenes, such as indoor shop surveillance. It allows natural shooting with high contrast.
   OUTDOOR – This mode is specialized to outdoor scenes, Such as outdoor plaza surveillance. It allows natural shooting with high contrast.
   BACKLIGHT – This mode is specialized to scenes that mix indoor and outdoor conditions, such as entranceway surveillance.
   ITS – Monitoring and optimizing model of road.

PICT ADJUST – This Camera system provide functions that enable users to easily adjust the image quality to suit the image output device used.
   Brightness – Adjusts the brightness.
   Contrast – Adjusts the image contrast (light and shade differences).
   Sharpness – Adjusts the sharpness.
   Hue – Adjusts the hue.
   Color Gain – Adjust the color gain.
EZOOM – Adjust the digital zoom
   EZoom – ON / OFF.
   MAG – Magnification rate = ZOOM (0~255)
   PAN – Horizontal position settings.
   TILT – Vertical position settings.
DIS – Digital Image Stabilizer.
PRIVACY MASK – The mask function hides one or more areas which the user does not want to be displayed on the screen.
   AREA SEL – Select mask area (1-15).
   DISPLAY – Mask to ON or OFF.
   POSITION – Privacy regional choice
   COLOR – Sets the color blend: RED/ GREEN/ BLUE/ YELLOW/ CYAN/ MAGENTA/ WHITE/ BLACK
   TRANSP – Sets the brightness blend ratio: 0%, /50%/75%/100%
   MOSAIC – Open or close the mosaic function
MOTION DET – By using the motion detection function, it is possible to create surveillance cameras which are capable of detecting moving objects.
   DETECT SENSE – Select mask area (1-15).
   INTERVAL – Sets the MD detection interval. Subjects are detected when an interval exceeding the set number of fields has elapsed from the previous motion detection.
   BLOCK DISP – Motion detection result frame display selection.
         Outputs the results of the motion detected in each block.
   MASK AREA – MD (Motion Detection) setting menu, for setting the no-detection area.
   MONITOR AREA – Sets the position of the monitoring frames in pixel or line increments.
SYS SETTING
   SYNC MODE – External synchronization is a function with synchronization of the phase between an output video signal and an external reference signal. Use line lock mode to minimize color rolling.
   LENS – Set the lens type.
   FLIP – Select digital Flip / Rotate state Off / V(Top / bottom reversal) / H(Left / right reversal) / HV(Rotation by 180 degrees)
   LCD / CRT – Set the monitor type LCD or CRT.
   COMMUNICATION (OPTION) – Sets the position of the monitoring frames in pixel or line increments.
   CAMERA ID – Sets the camera ID to ON or OFF.
EXIT-MENU
   SAVE – Save the settings (settings are saved).
   NOT SAVE – Exit menu without saving.
   CANCEL – Changes (restore settings to those selected when the menu was displayed).
   BACK – Return to previous menu.
   RETURN – Return to page on the hierarchical level immediately before.
LANGUAGE – LANGUAGE select between: English, Chinese, Spanish, Russian, Portuguese, German, French, Japanese.

VERSION – Version Display

MAINTENANCE – Equipment maintenance
   W.PIX MASK – W.PIX Repair set

   CAMERA RESET – Reset the camera

General Specifications

	NTSC	PAL
TV System	NTSC	PAL
Image Sensor	Sony 1/3" Super HAD-II Wide Dynamic	
Effective Picture	976(H) x 494(V)	976(H) x 582(V)
Scanning Frequency	60Hz	50Hz
Resolution	700 TVL	
Minimum Illumination	0.3Lux(F1.2,50IRE,AGC ON)	
S/N Ratio	50dB (100 IRE, F1.2)	
Video Output	Composite (75 Ω BNC unbalanced connector)	
Input Terminal	DC Jack with fly lead attached	
Power Source	12 VDC ±10%	12 VDC ±10% / 24 VAC ±20%
Power Consumption	2.2W Max.	
Operating Temperature	-10°C ~ +50°C	
Storage Temperature	-20°C ~ +60°C	

Functional Specifications

Sense Up		ON / OFF
Shutter Speed	AES	NTSC: 1/60 ~ 1/100000 PAL: 1/50 ~ 1/100000
	MES	1/50 (1/60), 1/120 (1/100), 1/250, 1/500, 1/1K, 1/2K, 1/4K, 1/10K
Wide Dynamic Range (WDR)		OFF/ATR-EX/WDR
High-Light Compensation (HLC)		ON/OFF
Backlight Compensation (BLC)		Full Range
AGC Gain Control		44.8 dB
Day/Night		SDN(AUTO ,COLOR ,NIGHT)
White Balance Control		ATW / Manual / Push / Push Lock / USER1,2
Auto White Balance Range		Indoor: 1800K~10500K Outdoor: 6500K~10500K
Mirror		OFF/V-FLIP/H-FLIP/HV-FLIP
Defog		ON/OFF
Sync System		INT /LL
Motion Detection		4 Areas
Privacy Zone		Up to 15 Masks
Digital Noise Reduction		3D DNR
Digital Zoom		255X Max
DIS		ON/OFF

Lens Specifications

Focal Length		2.8mm	2.5mm
F-No.		F1.8	F2.5
Iris Range		Fixed Range	
Angle Of View :	Diagonal	128.0°	142.7°
	Horizontal	98.0°	113.4°
	Vertical	81.5°	85.9°

Regulatory Compliance

Note
*1 This can not be changed from ATW except CUSTOM mode .
*2 BLC can be selected on CUSTOM mode.
*3 This can not be changed except CUSTOM mode.
*4 This is MID on FULL AUTO, OUTDOOR and ITS mode, LOW on INDOOR mode, HIGH on BACKLIGHT mode.
*5 This can not be changed except CUSTOM mode.
*6 The default SYNC Mode is set as INT.
   The SYNC Mode can be selected as LL on OSD menu but the actual mode is INT when the power is DC12V .
► This item has subsequent adjustment screens