ONVIF

ingrasys ®
Cloud Surveillance

Stylish Design

IP66 standard

30m IR
IR distance up to 30 meters

Free management software

Triple power supplies available (DC/AC/POE)

H.264 / MPEG4 / MJPEG
Triple codec compression with triple streams

G3213E

2MP 30M IR Bullet IP Camera

Ingrasys G3213E is a economic-series 2MP bullet type IP camera which comes with H.264/MPEG-4/MJPEG compression and offers excellent video quality with up to 30fps @ 1080p full HD. In order to adapt to light changes during day and night, the G3213E is equipped with a removable IR-cut filter and 30M IR illuminator for superior image quality around the clock. For protection against harsh outdoor environments, the camera comes with IP66 rated housing to withstand rain and dust. With other advanced features such as triple power supply, microSD/SDHC card slot for on-board storage, and Ingrasys's free bundled 32CH software, the G3213E is indisputably the best choice for outdoor environments.

Features

- Day and night function with mechanical IR cut filter
- Built-in IR illuminators, IR effective distance up to 30M
- Supports H.264, MPEG-4 and MJPEG triple codec compression with triple streams
- Up to 30fps @ 1920 x 1080
- Triple power supply: Built-in 802.3af Compliant PoE, DC-12V and AC-24V
- Built-in Micro SD card slot for local storage
- IP66 rated waterproof housing
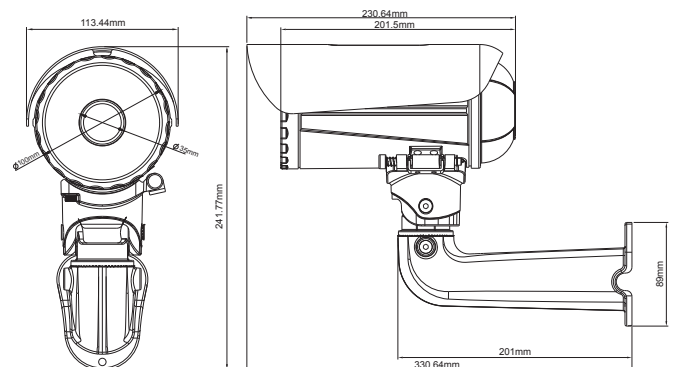- Support ONVIF standard to ensure interoperability

Technical Specifications

Type of Camera

Model No.	G3213E-F12
Description	2MP Full HD 30M IR Bullet IP Camera

System Information

Processor	ARM based 32-Bit RISC Processor
Flash	16MB
RAM	256MB
Real Time Clock	Yes

Camera

Image Sensor	1/2.7" 2MP progressive CMOS sensor
Maximum Resolution	1920 x 1080
Lens Type	CS mount, Fixed IRIS
Focal Length	f=12mm
Aperture	F1.8
Field of View	H=25.8°, V=19.3°, D=28.4°
IR Distance	Effective up to 30 meters (98.43ft.) with uniformity lighting
IR LED	850nm, IR LED x 42
D/N Control	Auto Mode, Day Mode, Night Mode
	With removable IR cut filter (ICR)
Min Illumination	IR LED OFF (Color): 0.5Lux
	IR LED ON (Mono): 0 Lux
Shutter Time	1/7 sec. to 1/30,000 sec.

Video

Video Compression	H.264/MPEG4/MJPEG
Maximum Video Stream	3 simultaneous streams
Maximum Frame Rate	H.264: 30fps@1920 x 1080
	MPEG4: 10fps@1920 x 1080
	MJPEG: 30fps@1920 x 1080
Bit Rate Mode	Constant Bit Rate (CBR) Variable Bit Rate (VBR) bit rate control Enhance CBR (ECBR) Enhance VBR (EVBR)
Image Orientation	Mirror, Flip
Image Setting	Exposure Mode: Auto/Manual
	White Balance Mode: Auto/Fixed
	Gain Mode: Auto/Manual
	Configurable Sharpness, Saturation, Brightness, Contrast with 17 levels (0-16)
Privacy Mask	Support 8 privacy mask zones
OSD	Time Stamp and Text caption overlay
Analog Video Port	BNC connector, 1.0Vp-p, 75Ω
Analog Video Format	NTSC: 720 x 480@30fps; PAL: 720 x 576@25fps

Audio

Audio In	Support external microphone input
Audio Out	Support line out
Compression	G.711 PCM 8kHz
Two Ways Audio	Full-duplex

Network

Users	Live view for up to 4 clients
Ethernet	10Base-T/100Base-TX
ONVIF	Supported
Supported Protocols	IPv4, IPv6, HTTP, HTTPS, SMTP, FTP, DHCP, NTP, TCP/IP, UPnP, RTSP/RTCP/RTP, DNS, DDNS, PPPoE, IGMP, QoS, Bonjour, Samba, Multicast

Local Storage

Memory Card	Micro SD/Micro SDHC Card up to 32GB
Store Category	Stores snapshots and video clips

Event Management

Event Triggers	Motion detection, Manual trigger, External alarm, Network fail, Periodically trigger, Audio detection, Tamper detection
Event Actions	File upload via FTP, SMTP, SAMBA and SD Card Notification via FTP, email and external output activation Video and audio recording to SD Card or SAMBA

I/O Connectors & Indicators

Network Connector	RJ-45
Power Input	PoE (IEEE 802.3af class 3), DC 12V (Ø 5.5mm power jack), AC 24V (power terminal IO)
Power Consumption	12W max
LED Indicator	x1 Networking status (Green & Yellow)
Alarm Port	Terminal block x1 In/ x1 Out
Audio In/Out	3.5mm Phone Jack x1 In / x1 Out
Analog Video Out	Video out x1, BNC video out
Reset	Reset on terminal IO
Memory Card	Micro SD/SDHC card slot

General

Weight	Net: 1300g (2.87lb)
Dimension (W x H) (w/o bracket)	3.94" x 7.93"/ 100mm x 201.5mm
Operating Temperature	-10°C ~ 50°C (14°F ~ 122°F)
Storage Temperature	-20°C ~ 60°C (-4°F ~ 140°F)
Operating Humidity	20% ~ 90% RH
Certifications	CE, FCC (class A), LVD
OS	Microsoft Windows XP/Vista/7/2K
Browser	Microsoft IE 8.0 or above, Chrome, Firefox, Safari

Other Value-added Features

Software	Free bundled 32CH software
WDR	Digital WDR with 8 configurable levels
Water Resistant	IP66
ROI	Yes

Package Contents

Component	1 x Wall Mount Bracket and screw pack
	1 x Quick Installation Guide (QIG)
	1 x Warranty Card
	1 x Product CD (Camera discovery tool, User's manual, Recording software)
	1 x Power adaptor (Option)

* Specifications are subject to change without notice.

Notice

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