



**GXV3651\_FHD** is an advanced High Definition IP camera of power and innovation. It features cutting edge H.264 real-time (30fps) video compression at 1080p resolution with excellent image clarity, industry leading SIP/VoIP for full duplex 2-way audio and video streaming to mobile phones and video phones, integrated PoE, integrated IRCUT and light sensor for enhanced video performance under low-light or night condition, embedded image sensor processing technology and video analytics, large pre-/post-event recording buffer, and advanced security protection. Its unique incorporation of the most comprehensive peripheral support for alarm control, local storage, and wireless network connection, creates sophisticated and best-in-class control flexibility and scalability. The GXV3651\_FHD can be managed with GSurf, Grandstream's advanced and intuitive video management software that controls up to 36 cameras simultaneously. The GXV3651\_FHD is a powerful network camera for professional surveillance environments.

## **Feature Highlights**

- High quality 5 Megapixels CMOS sensor and lens to ensure razor sharp picture quality
- Advanced multi-streaming-rate real-time H.264, Motion JPEG at 1080p resolution and 30fps
- Alarm input & output, audio input & output, RS485
- 24MB pre-/post-event recording buffer
- SD card slot and USB2.0 for storage/wireless dongle
- Integrated Power-over-Ethernet (802.3af)
- Integrated IRCUT and light sensor for enhanced video quality under low light or night condition
- Embedded Image Sensor Processing (ISP) technology and video analytics, SIP/VoIP support for full duplex two-way audio as well as video streaming to mobile phones and video phones
- Built-in high performance streaming server to allow up to 3 simultaneous 1080p viewers, or 16 simultaneous D1 viewers or 25 CIF viewers

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# ***GXV3651\_FHD***

## ***Technical Specifications***

<b>Video Compression</b>	H.264, MJPEG
<b>Image Sensor</b>	1/2.5", 5-Megapixel CMOS, 2,592 x 1,944 (pixels), exceptionally low noise levels and low-light sensitivity for superior video quality at very high resolution (1080p)
<b>Lens Type</b>	1/2", 4.5-10mm, Manual-Iris, CS
<b>Day &amp; Night</b>	Electronic, with integrated IR_CUT and light sensor
<b>Responsivity</b>	1.4V/lux-sec (550nm)
<b>Max Video Resolution</b>	Full HD (16:9): 1,920 x 1,080p
<b>Pixel Dynamic Range</b>	70.1dB, with SNRMAX 38.1dB (full resolution)
<b>Max Frame Rate in Max Resolution</b>	30fps
<b>Video Bit Rate</b>	32 Kbps – 8 Mbps
<b>Video Output</b>	BNC, Voltage 1.0V PP, Resistance 75Ω
<b>Audio Input</b>	3.5mm LINE-IN, built-in Microphone
<b>Audio Output</b>	3.5mm LINE-OUT
<b>Alarm Input</b>	Yes – One Interface, Normal Open
<b>Alarm Output</b>	Yes – One Interface, 125VAC/0.5A or 30VAC/2A
<b>Audio Compression</b>	G.711a/u
<b>Serial Ports</b>	RS485
<b>IRIS Control</b>	Manual IRIS (default lens), optional auto-iris lens
<b>Embedded Analytics</b>	Motion detection (up to 16 target areas), video loss (pending)
<b>Pre-/post-alarm Buffer</b>	24MB
<b>Snapshots</b>	Trigger upon events, send via email/FTP
<b>Multi-streaming-rate for Preview &amp; Recording</b>	Yes
<b>Security</b>	Video watermark (pending), HTTPS, Password
<b>Network Port</b>	10M/100M auto-sensing, RJ45
<b>Network Protocol</b>	TCP/UDP/IP, RTP/RTCP, RTSP, DHCP, DDNS, HTTP, HTTPS, SMTP, FTP, NTP, SIP, DNS, Telnet, TFTP, ARP, ICMP, IGMP
<b>Power over Ethernet (PoE)</b>	Standard, IEEE 802.3af Class 0
<b>Peripheral Ports</b>	SDHC 2.0, USB 2.0
<b>SIP/VoIP Support</b>	Yes
<b>Dimensions (L x W x H)</b>	152mm x 68mm x 64mm (Lens not included)
<b>Weight</b>	0.51kg (Lens not included)
<b>Temperature / Humidity</b>	0°C – 45°C (32°F–113°F); Humidity 10–90% RH (non-condensing)
<b>Power Adapter</b>	Output: 12VDC/1A; Input: 100–240VAC, 50–60Hz
<b>Regulatory Compliance</b>	FCC Part 15, Subpart B Class B; CE EN 55022 Class B, EN 61000-3-2, EN 61000-3-3, EN 55024, EN 60950-1; C-tick AS/NZS CISPR 22, CISPR 24