



Automatic Camera Tracking System

HD Video Camera Tracking System

GONSIN HD auto camera tracking system utilizes advanced technology and co-works with conference system. It can automatically track the speaker by the camera, and comprise of HD video tracking matrix, HD video conference camera and HD video signal switcher, to realize fluent and clear camera tracking image.

◆ HD Dome Camera

GX-HD3310/GX-HD3310S12

◆ Features

- ◆ Full HD video, super clear image
- ◆ Low noise, high SNR
- ◆ Wide range, high speed, low noise motion
- ◆ HD multiple video output formats
- ◆ Transparent transmission function of remote controller
- ◆ Support H.265/H.264 encoding
- ◆ Support multiple control protocols



◆ Basic functions

- ◆ **Superb high-definition image:** Using 5 million pixel 1/2.8 inch high-quality image sensor, it can provide up to 1080P60 high-definition image quality
- ◆ **Audio Input Interface:** Support 16000, 32000, 44100, 48000 sampling frequency, G.711A coding only support 8000 sampling frequency, support AAC, MP3, G.711A audio coding
- ◆ **Quiet PTZ:** By adopting high accuracy step driving motor mechanism, it works extremely quiet and moves smoothly and very quickly to designated position.
- ◆ **Multi-Format Video Outputs:** Support HDMI, SDI, USB, wired LAN (POE function optional); SDI support in 1080P60 format transmission 100 meters; Output image format support 1080P60/50/30/25/59.94/29.97, 1080I60/50/59.94, 720P60/50/59.94
- ◆ **Network interface with H.265 compression support**
Support 100M network interface; support H.265/H.264 video compression, support AAC, MP3, G.711A audio compression; support up to 1920×1080 resolution 60 fps /Support Onvif, RTSP, RTMP protocols, and RTMP push, easy link to streaming servers (Wowza, FMS), support RTP multicast mode
- ◆ **Low noise and High SNR:** Low Noise CMOS effectively ensure high SNR of camera video. Advanced 2D/3D noise reduction technology is also used to further reduce the noise, while ensuring image sharpness.
- ◆ **Transparent transmission function of remote controller:** Support transparent transmission function, make the supporting equipments easy to operate.
- ◆ **Low-power sleep function:** Support low-power sleep/wake up, the consumption is lower than 400mW under sleep mode
- ◆ **Support Multiple Control Protocol:** Support VISCA, PELCO-D, PELCO-P protocols which can also be automatically recognized. Support VISCA control protocol through IP port.
- ◆ **RS-232 cascade function:** ST series support RS-232 cascade function which is convenient for installing.
- ◆ **255 presets positions:** Up to 255 presets (10 presets by remoter).

Technical Specifications

	Model	GX-HD3310S12	GX-HD3310
Camera Parameter	Sensor	5 million pixels 1/2.8-inch high-quality HD CMOS sensor	
	Maximum output resolution	1920×1080@60Hz	
	Video Format	1080P60/50/30/25/59.94/29.97; 1080I60/50/59.94 720P60/50/30/25 /59.94/29.97	
	Optical Zoom	12X f=3.9~46.8mm	20X f=5.5~110mm
	View Angle	6.6°(tele)-70.4°(wide)	3.3°(tele)-54.7°(wide)
	AV	F1.8~F2.4	F1.6~F3.5
	Digital Zoom	X10	
	Minimum Illumination	0.5Lux(F1.8, AGC ON)	
	DNR	2D & 3D DNR	
	White Balance	Auto / Manual/ One Push/ 3000K/ 3500K/4000K/4500K/5000K 5500K/6000K/6500K/7000K	
	Focus	Auto/Manual/One Push	
	Aperture	Auto/Manual	
	Electronic Shutter	Auto/Manual	
	BLC	ON/OFF	
	WDR	OFF/ Dynamic level adjustment	
	Video Adjustment	Brightness, contrast, sharpness, horizontal flipping, vertical flipping (displayed when automatic flipping is turned off), black and white mode, gamma curve, electronic zoom, DCI, lens distortion correction	
	SNR	>55dB	
Input/Output Interface	Video output interfaces	HDMI , SDI, LAN, USB2.0	
	Control Signal Interface	RS232-IN,RS232-OUT,RS485	
	Control Protocol	VISCA/Pelco-D/Pelco-P;Baud Rate: 115200/9600/4800/2400bps	
	Audio Input Interface	Double track 3.5mm linear input;	
	HD IP Interface	100M IP port; POE power supply optional; support audio and video output, support network VISCA control protocol	
	Compression Format	LAN support H.265,H.264; USB 2.0 interface support: MJPG, H264, H.265, YUY2, NV12	
	Image Code Stream	Dual stream output	
	Network Protocol	RTSP, RTMP, ONVIF, GB/T28181	
	Power Interface	HEC3800 outlet (DC12V)	
PTZ Parameter	Pan Rotation	±170°	
	Tilt Rotation	-30° ~+90°	
	Pan Control Speed	0.1 -100°/sec	
	Tilt Control Speed	0.1 -30°/sec	
	Preset Speed	Pan: 60°/sec,Tilt: 30°/sec	
	Preset Number	255 presets (10 presets by remote controller)	
Other Parameter	Supply Adapter	AC110V-AC220V to DC12V/1.5A	
	Input Voltage	DC12V±10%	
	Input Current	1A(Max)	
	Consumption	12W(Max)	
	Store Temperature	-10°C~+60°C	
	Store Humidity	20%~95%	
	Working Temperature	-10°C~+50°C	
	Working Humidity	20%~80%	
	Dimension	258×172×169mm	
	Weight	1.54KG	
	Operation Environment	Indoor	
	Remote Operation (IP)	Remote Upgrade,Reboot and Reset	
	Accessory	Power adapter, RS232 control line, remote controller, manual, warranty card&certificate	
	Optional accessories	Mounting bracket	

◆ HD Dome Camera

**GX-HD3320S12/GX-HD3320S20/
GX-HD3320U20/GX-HD3320U12**

◆ Features

- ◆ Full HD video, super clear image
- ◆ Low noise, high SNR
- ◆ Wide range, high speed, low noise motion
- ◆ HD multiple video output formats
- ◆ Transparent transmission function of remote controller
- ◆ Support H.265/H.264 encoding
- ◆ Support multiple control protocols



**GX-HD3320S20
GX-HD3320S12**

**GX-HD3320U20
GX-HD3320U12**

◆ Basic functions

- ◆ **Superb high-definition image:**Using 5 million pixel 1/2.8 inch high-quality image sensor, it can provide up to 1080P60 high-definition image quality.
- ◆ **Audio Input Interface:**Support 16000, 32000, 44100, 48000 sampling frequency, G.711A coding only support 8000 sampling frequency, support AAC, MP3, G.711A audio coding
- ◆ **Quiet PTZ:**By adopting high accuracy step driving motor mechanism, it works extremely quiet and moves smoothly and very quickly to designated position.
- ◆ **Multi-Format Video Outputs:**Support HDMI, SDI, USB, wired LAN (POE function optional); SDI support in 1080P60 format transmission 100 meters;Output image format support 1080P60/50/30/25/59.94/29.97, 1080I60/50/59.94,720P60/50/59.94
- ◆ **Network interface with H.265 compression support**
Support 100M network interface; support H.265/H.264 video compression, support AAC, MP3, G.711A audio compression; support up to 1920×1080 resolution 60 fps /Support Onvif, RTSP, RTMP protocols, and RTMP push, easy link to streaming servers (Wowza, FMS), support RTP multicast mode
- ◆ **Low noise and High SNR:**Low Noise CMOS effectively ensure high SNR of camera video. Advanced 2D/3D noise reduction technology is also used to further reduce the noise, while ensuring image sharpness.
- ◆ **Transparent transmission function of remote controller:**Support transparent transmission function, make the supporting equipments easy to operate.
- ◆ **Low-power sleep function:**Support low-power sleep/wake up, the consumption is lower than 400mW under sleep mode
- ◆ **Support Multiple Control Protocol:**Support VISCA,PELCO-D,PELCO-P protocols which can also be automatically recognized. Support VISCA control protocol through IP port.
- ◆ **RS-232 cascade function:**ST series support RS-232 cascade function which is convenient for installing.
- ◆ **255 presets positions:**Up to 255 presets (10 presets by remoter).

Technical Specifications

Model	GX-HD3320S12	GX-HD3320S20	GX-HD3320U12	GX-HD3320U20		
Camera Parameter	Sensor	5 million pixels 1/2.8-inch high-quality HD CMOS sensor				
	Max. output resolution	1920 × 1080@60Hz				
	Video Format	HDMI/SDI/Video Format: 1080P60/50/30/25/59.94/29.97; 1080I60/50/59.94; 720P60/50/59.94/ USB2.0 Video Format: 320 × 240/352 × 288/640 × 360/640 × 480/ 704 × 576/704 × 480/720 × 576/800 × 448/ 800 × 600/960 × 540/1024 × 576/ 1024 × 768/1280 × 720/ 1920 × 1080P30/25/20/15/10/5		HDMI Video Format: 1080P60/50/30/25/59.94/29.97; 1080I60/50/59.94; 720P60/50/59.94/ U3 Video Format: 1) USB3.0: 1920 × 1080P60/50/30/25 ; 1280 × 720P60/50/30/25 ; 960 × 540P30 ; 640 × 360P30; 640 × 480P30 ; 352 × 288P30 ; 800 × 600P30 ; 2) USB3.0 compatible with U2: 960 × 540P30; 640 × 360P30; 1280 × 720P10/15; 720 × 576P50; 720 × 480P60; 640 × 480P30; 352 × 288P30; 800 × 600P30 USB2.0 Video Format: 320 × 240/352 × 288/640 × 480/704 × 576/ 720 × 480/720 × 576/640 × 360/800 × 448/ 800 × 600/960 × 540/1024 × 576/ 1024 × 768/1280 × 720/ 1920 × 1080P30/25/20/15/10/5		
	Optical Zoom	12X f=3.9~46.8mm	20X f=5.5~110mm	12X f=3.9~46.8mm	20X f=5.5~110mm	
	View Angle	6.6° (tele) 70.4° (wide)	3.3° (tele) 54.7° (wide)	6.6° (tele) 70.4° (wide)	3.3° (tele) 54.7° (wide)	
	AV	F1.8~F2.4	F1.6~F3.5	F1.8~F2.4	F1.6~F3.5	
	Digital Zoom	× 10		-		
	MIN. Illumination	0.5Lux(F1.8, AGC ON)				
	DNR	2D&3D DNR				
	White Balance	Auto/Manual/One Push/ 3000K/3500K/4000K/4500K/5000K/5500K/6000K/6500K/70000K				
	Focus	Auto/Manual/One Push				
	Aperture	Auto/Manual				
	Electronic Shutter	Auto/Manual				
	BLC	ON/OFF				
	WDR	OFF/ Dynamic level adjustment				
	Video Adjustment	Brightness, contrast, sharpness, horizontal flipping, black and white mode, gamma curve, electronic zoom, vertical flipping (displayed when automatic flipping is turned off),DCI, lens distortion correction				
	SNR	>55dB				
	Input/ Output Interface	Video Interface	HDMI,SDI,LAN,USB2.0		HDMI, USB3.0,LAN,USB2.0	
		Image Code Stream	Dual stream output			
		Video Compression Format	H.265,H.264			
Control Signal Interface		1 × RS232 input, 1 × RS232 loop out 1 × RS485 input		1 × RS232 input		
Control Protocols		VISCA/Pelco-D/Pelco-P; Baud rate: 115200/38400/9600/4800/2400				
Audio Input Interface		1×Dual-channel 3.5mm linear input				
Audio compression format		AAC,MP3,G.711A				

Technical Specifications

Model		GX-HD3320S12	GX-HD3320S20	GX-HD3320U12	GX-HD3320U20	
Input/ Output Interface	Network Interface	100M network port (10/100BASE-TX), support POE power supply,				
	Network Protocol	support network VISCA control protocols				
	Power Interface	RTSP,RTMP,ONVIF,GB/T28181 HEC3800 outlet (DC12V)				
PTZ Parameter	Pan Rotation	-170° ~+170°				
	Tilt Rotation	-30° ~+90°				
	Pan Control Speed	0.1 ~60° /sec				
	Tilt Control Speed	0.1~30° /sec				
	Preset Speed	Pan: 60° /sec,Tilt: 30° /sec				
	Preset Number	255 presets (10 presets by remote controller)				
Other Parameter	Supply Adapter	input AC110V-AC220V output DC12V/1.5A				
	Input Voltage	DC12V ± 10%				
	Input Current	1A (Max)				
	Consumption	12W(Max)				
	Store Temperature	-10℃~+60℃				
	Working Humidity	20%~95%				
	Working Temperature	-10℃~+50℃				
	Working Humidity	20%~80%				
	Dimension(W*H*D)	150 × 150 × 167.5mm				
	Weight	1.4kg				
	Operation Environment	Indoor				
	Remote Operation (IP)	Remote Upgrade,Reboot and Reset				
	Accessory	12V/1.5A Power adapter, RS232 control line,remote controller, manual, warranty card,certificate			12V/1.5A power adapter, RS232 control line, USB3.0 cable, USB2.0 cable, remote control, manual, warranty card	
		Optional accessories	Mounting bracket			



HD Dome Camera

GX-HD3320S30/GX-HD3320U30

Features

- ◆ Full HD video, super clear image
- ◆ Low noise, high SNR
- ◆ Wide range, high speed, low noise motion
- ◆ HD multiple video output formats
- ◆ Transparent transmission function of remote controller
- ◆ Support H.265/H.264 encoding
- ◆ Support multiple control protocols



GX-HD3320S30



GX-HD3320U30

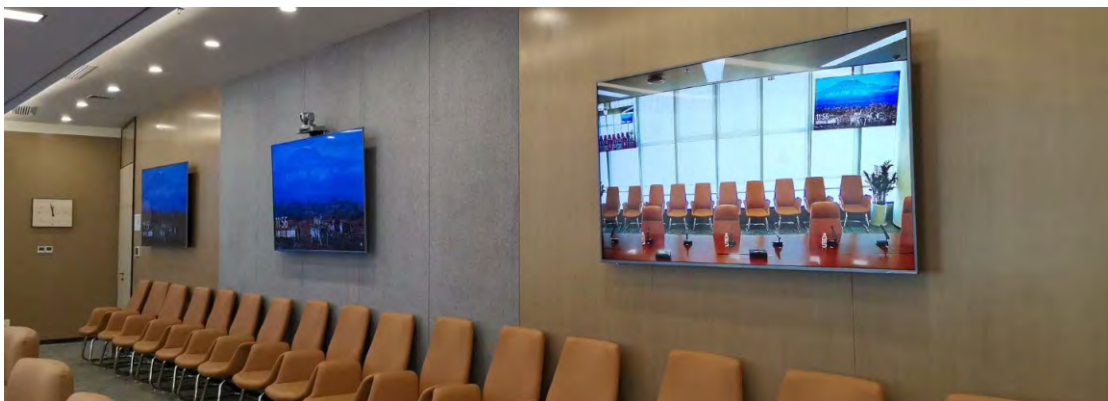
Basic functions

- ◆ **Superb high-definition image:** Using 5 million pixel 1/2.8 inch high-quality image sensor, it can provide up to 1080P60 high-definition image quality.
- ◆ **Leading auto focus technology**
The lens completes autofocus quickly, accurately and stably using advanced autofocus algorithms
- ◆ **Low noise and High SNR:** Low Noise CMOS effectively ensure high SNR of camera video. Advanced 2D/3D noise reduction technology is also used to further reduce the noise, while ensuring image sharpness.
- ◆ **Audio Input Interface (GX-HD3320S30)** : Support 16000, 32000, 44100, 48000 sampling frequency, G.711A coding only support 8000 sampling frequency
- ◆ **Quiet PTZ:** By adopting high accuracy step driving motor mechanism, it works extremely quiet and moves smoothly and very quickly to designated position.
- ◆ **Multi-Format Video Outputs:** Support HDMI, SDI, USB, wired LAN (POE function optional); SDI support in 1080P60 format transmission 100 meters; Output image format support 1080P60/50/30/25/59.94/29.97, 1080I60/50/59.94, 720P60/50/59.94
- ◆ **Network interface with H.265 compression**
Support 100M network interface; support H.265/H.264 video compression, support AAC, MP3, G.711A audio compression; support up to 1920×1080 resolution 60 fps / Support Onvif, RTSP, RTMP protocols, and RTMP push, easy link to streaming servers (Wowza, FMS), support RTP multicast mode
- ◆ **Transparent transmission function of remote controller:** Support transparent transmission function, make the supporting equipments easy to operate.
- ◆ **Low-power sleep function:** Support low-power sleep/wake up, the consumption is lower than 400mW under sleep mode
- ◆ **Support Multiple Control Protocol:** Support VISCA, PELCO-D, PELCO-P protocols which can also be automatically recognized. Support VISCA control protocol through IP port.
- ◆ **RS-232 cascade function (GX-HD3320S30)** : Support RS-232 cascade function which is convenient for installing.
- ◆ **255 presets positions:** Up to 255 presets (10 presets by remoter).

Technical Specifications

Model		GX-HD3320S30	GX-HD3320U30	
Camera Parameter	Sensor	5 million pixels 1/2.8-inch high-quality HD CMOS sensor		
	Max. output resolution	1920 × 1080@60Hz		
	Video Format	HDMI/SDI/Video Format; 1080P60/50/30/25/59.94/29.97; 1080I60/50/59.94; 720P60/50/30/25/59.94/29.97	HDMI Video Format; 1080P60/50/30/25/59.94/29.97; 1080I60/50/59.94; 720P60/50/59.94/ U3 Video Format: 1) USB3.0: 1920 × 1080P60/50/30/25 ; 1280 × 720P60/50/30/25 ; 960 × 540P30 ; 640 × 360P30; 640 × 480P30 ; 352 × 288P30 ; 800 × 600P30 ; 2) USB3.0 compatible with U2: 960 × 540P30; 640 × 360P30; 1280 × 720P10/15; 720 × 576P50; 720 × 480P60; 640 × 480P30; 352 × 288P30; 800 × 600P30 USB2.0 Video Format: 320 × 240/352 × 288/640 × 480/704 × 576/ 720 × 480/720 × 576/640 × 360/800 × 448/ 800 × 600/960 × 540/1024 × 576/ 1024 × 768/1280 × 720/ 1920 × 1080P30/25/20/15/10/5	
	Optical Zoom	30X f=4.3~129mm		
	View Angle	2.3° (tele) 65.1° (wide)		
	AV	F1.6~F4.5		
	Digital Zoom	× 10		
	MIN. Illumination	0.5Lux(F1.8, AGC ON)		
	DNR	2D&3D DNR		
	White Balance	Auto/Manual/One Push/ 3000K/3500K/4000K/4500K/5000K/5500K/6000K/6500K/7000K		
	Focus	Auto/Manual/One Push		
	Aperture	Auto/Manual		
	Electronic Shutter	Auto/Manual		
	BLC	ON/OFF		
	WDR	OFF/ Dynamic level adjustment		
	Video Adjustment	Brightness, contrast, sharpness, horizontal flipping, black and white mode, gamma curve, electronic zoom, vertical flipping (displayed when automatic flipping is turned off),DCI, lens distortion correction		
	SNR	>55dB		
	Input/ Output Interface	Video Interface	HDMI, SDI, LAN	HDMI, USB 3.0, USB 2.0, LAN
		Image Code Stream	Dual stream output	
Video Compression Format		H.265,H.264		
Control Signal Interface		1 × RS232 input, 1 × RS232 loop out 1 × RS485 input	1 × RS232 input	
Control Protocols		VISCA/Pelco-D/Pelco-P; Baud rate: 115200/38400/9600/4800/2400		
Audio Input Interface		1×Dual-channel 3.5mm linear input	-	
Audio compression format	AAC,MP3,G.711A			

Model		GX-HD3320S30	GX-HD3320U30
Input/ Output Interface	Network Interface	100M network port (10/100BASE-TX)	
	Network Protocol	support network VISCA control protocols	
	Power Interface	RTSP,RTMP,ONVIF,GB/T28181 HEC3800 outlet (DC12V)	
PTZ Parameter	Pan Rotation	-170° ~+170°	
	Tilt Rotation	-30° ~+90°	
	Pan Control Speed	0.1 ~60° /sec	
	Tilt Control Speed	0.1~30° /sec	
	Preset Speed	Pan: 60° /sec,Tilt: 30° /sec	
	Preset Number	255 presets (10 presets by remote controller)	
Other Parameter	Supply Adapter	input AC110V-AC220V output DC12V/1.5A	
	Input Voltage	DC12V ± 10%	
	Input Current	1A (Max)	
	Consumption	12W(Max)	
	Store Temperature	-10°C~+60°C	
	Working Humidity	20%~95%	
	Working Temperature	-10°C~+50°C	
	Working Humidity	20%~80%	
	Dimension(W*H*D)	150 × 150 × 167.5mm	
	Weight	1.4kg	
	Operation Environment	Indoor	
	Remote Operation (IP)	Remote Upgrade,Reboot and Reset	
	Accessory	12V/1.5A Power adapter, RS232 control line,remote controller, manual, warranty card	12V/1.5A power adapter, RS232 control line, USB3.0 cable, USB2.0 cable, remote control, manual, warranty card
	Optional accessories	Mounting bracket	



◆ HD Dome Camera

GX-HD3330



◆ Basic Functions

- ◆ Supports automatic video camera tracking (HD), with preset panoramic position. Perfect matched with camera or video matrix
- ◆ Support infrared automatic video tracking(HD, MAX 8 cameras)
- ◆ Adopt infrared anti-jamming algorithm, stable and reliable. Be fearless of visible light and infrared light (sunshine, light,whiteboard and etc.).
- ◆ Accurate location and smooth tracking, automatic resolution.
- ◆ The tracking effect is not affected by the size and shape of the meeting room.
- ◆ Simulation Parameters can be self-define arbitrarily,the code stream switching won't be influenced by target status.
- ◆ Support HD video H.264 coding output, be available for 100m transmission at 1080p60 format.
- ◆ Multi-Format Video Outputs:support SDI, DVI-D, NETWORK, and USD 3.0 video output interface.
- ◆ Maximum tracking distance can reach 18 meters.



◆ Technical Specifications

Sensor	1/2.8 inches CMOS, 2.14 million sensor
focal distance	3.9mm~46.8mm
AV	F1.~F2.8
optical zoom	12 times
digital zoom	12 times
View Angle	72.5°~6.3°
Focus System	Auto / Manual/ PTZ/ One Push
Minimum Illumination	0.5 Lux (colors), 0.1Lux (black and white)
Shutter Speed	1/1 - 1/10,000 second
Tune-up	Auto/Manual
White Balance	Auto / Indoor / Outdoor/ One Push Auto / Manual tracking
Exposure Control	Auto / Manual/Shutter Priority/Aperture Priority
SNR	≥50dB
Language	ENGLISH
Pan Rotation	-170°~+170°
Tilt Rotation	-30°~+90°
Pan Control Speed	0.1°~120°/s
Tilt Control Speed	0.1°~90°/s
Preset Number	256
Pan-tilt control interfaces	RS-232/RS-485/USB3.0
Network interface	100M self-adapted to Ethernet interface(RJ45)
Network protocol	PELCO-D, VISCA, UVC1.1
Video interface	3G-SDI, DVI-D, USB3.0
Video format	1080P60/1080P50/1080P30 1080P25/1080I60/1080I50 720P60/720P50
Resolution ratio	MAX 1920×1080@60fps
Video compression	H.264
Audio compression	AAC
Network protocol	ONVIF/RTSP/HTTP/TCP UDP/RTMP
Video Preview Number	MAX 10, at the same time
Dual-stream	YES
Power	DC12V
Consumption	<30W
Operating Temperature	0~40°C
Storage Consumption	-20~60°C
Weight	1.2kg
Dimensions (L×W×H)	243×145×163mm
Color	Grey

4K HD Dome Camera

GX-3350H12B/GX-3350H25B



Features

- ◆ UHD 4K ultra-high-definition picture quality, video output in various formats
- ◆ With HDMI, SDI, USB 2.0, LAN output interface
- ◆ With advanced ISP processing technology and algorithm, the image output effect is vivid
- ◆ The video picture has uniform brightness, strong light and color layers, high definition and good color reproduction
- ◆ Wide range, high speed, low noise pan/tilt operation
- ◆ Support multiple control protocols

Basic functions

- ◆ **4K UHD Resolution:** SONY CMOS sensor. Resolution is up to 4K with frame rate up to 60fps
- ◆ **Rich interface output:** At the same time, it supports HDMI, SDI, USB 2.0 and LAN output. USB output supports the simultaneous output of main code stream and sub code stream, which can meet the needs of near end and far end at the same time
- ◆ **Leading Auto Focus Technology:** Fast, accurate and stable auto focusing technology
- ◆ **Low Noise and High SNR:** Super high SNR image is achieved with low noise CMOS. Advanced 3D noise reduction technology further reduces the noise while ensuring high image clarity
- ◆ **Multiple Audio/Video Compression Standards:** LAN interface supports H.264/H.265 video compression, USB2.0 interface supports MJPG,H.264 ,H265,YUY2,NV12
- ◆ **Audio input interface:** Support AAC, MP3,G.711A audio compression coding ;Support 8KHz, 16KHz, 32KHz, 44.1KHz, 48Khz sampling frequency

- ◆ **Super silent PTZ:** High precision stepping motor and precision motor drive controller are used to ensure stable and noise free operation
- ◆ **Multiple Network Protocol:** Support ONVIF, GB/T28181, RTSP, RTMP protocols; Support RTMP push mode, easy to be connected to streaming server (Wowza, FMS); Support RTP multicast mode; Support network full command VISCA control protocol
- ◆ **Control Interface:** RS422 output(compatible with RS485), RS232 input/output Support VISCA, PELCO-D, PELCO-P protocols; Support automatic identification protocols; RS232 (cascade connection)
- ◆ **Multiple presets:** Up to 255 presets (10 presets via remote control)

◆ Technical Specifications

Type	GX-3350H12B	GX-3350H25B
Camera Parameter		
Optical Zoom	12X	25X
Sensor	1/2.5 inch SONY CMOS sensor	1/1.8 inch SONY CMOS sensor
Effective Pixels	8.51Mdot, 16:9	8.51Mdot, 16:9
Focal Range	f=3.85mm 43.06mm±5%	f=7.1 mm 171.95 mm ±5%
View Angle	Horizontal: 7.59°(N)~80.4°(W) Vertical 4.6° (N)~50.0°(W)	Horizontal: 2.5°(N)~59.2°(W) Vertical 1.4°(N)~34.6°(W)
AV	F1.8~F3.56±5%	F1.61~F5.19±5%
Video Format	HDMI: 3840×2160P60/50/25/59.94/29.97;1080P60/50/25/59.94/29.97; 1080I60/50/59.94; 720P60/50/59.94 SDI: 1080P60/50/25/59.94/29.97;1080I60/50/59.94;720P60/50/59.94 USB2.0: MJPG/H.264/H.265 mode: 3840×2160/1920×1080/1600×896 /1280×720 / 1024×576/ 960×540 /800×600/800×448 /720×576/720×480 /640×480 / 640×360 /480×270 /352×288/ 320×240P30; YUY2/NV12 mode: 640×480 /640×360 /480×270 /320×180P30 LAN: H264/H265 mode: 3840×2160/1920×1080 /1600×896 /1280×720 / 1024×576/960×540/800×600/800×448/720×576/720×480/640×480/ 640×360/480×270/352×288/320×240P30	
Digital zoom	X16	
Minimum Illumination	0.05Lux(F1.8, AGC ON)	
DNR	3D DNR	
White Balance	Auto / Manual/ One Push/ Specified Temperature	
Focus	Auto/Manual/One Push Focus	
Exposure Mode	Auto/Manual/Shutter priority/Aperture priority/brightness priority	
Aperture	F1.8~F11, CLOSE	

Type	GX-3350H12B	GX-3350H25B
Camera Parameter		
Shutter Speed	1/25~1/10000	
BLC	ON/OFF	
WDR	OFF/ Dynamic level adjustment	
Video Adjustment	Brightness, Color, Saturation, Contrast, Sharpness, B/W mode, Gamma curve	
SNR	>50dB	
Input/Output Interface/ Protocol		
Video Interfaces	HDMI SDI LAN(Support POE) USB2.0	
Video Compression Format	LAN Interface: H.264, H.265 USB 2.0 Interface: MJPG, H264, H.265, YUY2, NV12	
Control Interface	RS232-IN, RS232-OUT, RS422 compatible with RS485	
Control Protocol	Serial port: VISCA/Pelco-D/Pelco-P; support baud rate 115200/38400/9600/4800/2400 USB: UVC protocol, UAC protocol	
Audio Input Interface	Double track 3.5mm linear input	
Audio Output Interface	HDMI, LAN, USB2.0	
Audio Compression Format	AAC, MP3, G.711A	
Network Interface	10M/100M/1000M adaptive Ethernet port, support POE power supply, support audio and video output	
Network Protocols	RTSP, RTMP, ONVIF, GB/T28181; Network VISCA control protocol; Support remote upgrade, reboot and reset	
PTZ Parameter		
Pan Rotation	-110°~+110°	
Tilt Rotation	-30°~+30°	
Pan Control Speed	0.1°/s~100°/s	
Tilt Control Speed	0.1°/s~70°/s	
Preset Speed	Pan: 78.8°/s, Tilt: 31.7°/s	
Preset Number	255 presets (10 presets via remote control)	
Other Parameter		
Power Adapter	Input AC110V~AC220V; output DC12V/2.5A	
Input Voltage	DC12V±10%	
Input Current	1A(maximum)	
Power Consumption	12W(maximum)	
Stored Temperature	-10°C~+60°C	
Storage Humidity	20%~95%	
Working Temperature	-10°C~+50°C	
Working Humidity	20%~80%	
Dimension	220mm(L)×144mm(W)×159mm(H)	
Weight	Approx. 1.7kg	
Application	Indoor	
Package Accessories	Power Supply, RS232 Control Cable, USB2.0, IR Remote Control, User Manual	
Optional Accessories	Ceiling / Wall Mount Stand	

◆ Application scenarios

Conference system, teaching recording and broadcasting, distance education, distance training, emergency command system, court trial system, telemedicine system, etc.

◆ HD Camera Tracking SDI Switch

MT-SD401



◆ Basic Functions

- ◆ Adopt RS232 control interface, work with digital conference system and high-definition video conference camera
- ◆ Support 4-channel HD SDI signal input, 1 channel HD SDI signal switch output
- ◆ Realize the tracking switch of up to 4 channels of SDI HD video conference camera
- ◆ Automatically recognize full SDI signal format: SD-SDI/HD-SDI/3G-SDI
- ◆ High definition, fast switching
- ◆ Power supply with industrial-grade design, long-lasting and stable
- ◆ Intelligent circuit design, broadcast-level processing technology

◆ Technical Specifications

SDI signal format	SD-SDI/HD-SDI/3G-SDI
Support SDI rate	143-2970Mb/s
SDI impedance	75Ω
SDI signal output amplitude	800mVp-p
SDI input resolution	480i@60Hz/576i@50Hz/720P@50Hz/ 720P@60Hz/1080i@50Hz/1080i@60Hz/ 1080P@24@25@30@50@60Hz
SDI output resolution	480i@60Hz/576i@50Hz/720P@50Hz/ 720P@60Hz/1080i@50Hz/1080i@60Hz/ 1080P@24@25@30@50@60Hz
Power supply	Standard configuration: 5V1A
Overall power consumption	<2W
Product size	138×104×42mm

◆ SDI to HDMI Converter

GX-CV180

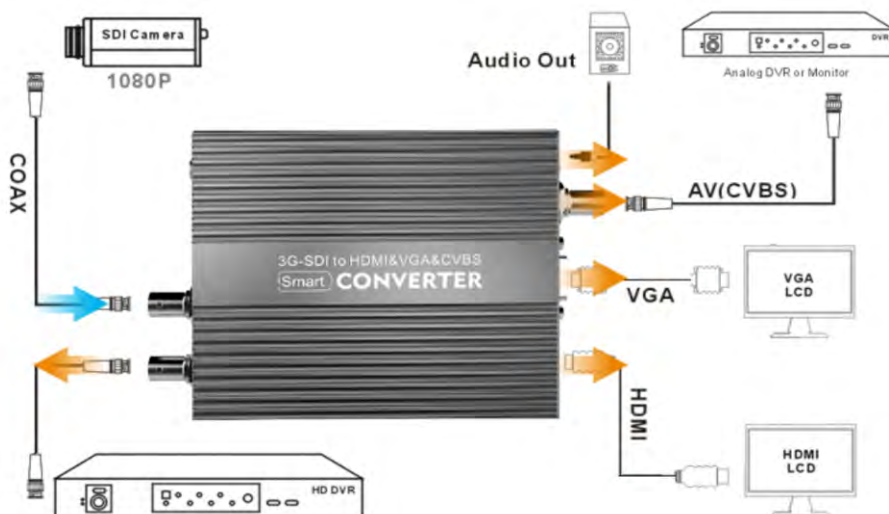


◆ Basic Functions

- ◆ SDI input formats: all formats are supported.
 - SD: 525i @ 59.94Hz, 625i @ 50Hz
 - HD: 720p @ 23.98Hz / 24Hz / 25Hz / 29.97Hz / 30Hz
 - 720p @ 50Hz / 59.94Hz / 60Hz
 - 1080i @ 50Hz / 59.94Hz / 60Hz
 - 1080p @ 23.98Hz / 24Hz / 25Hz / 29.97Hz / 30Hz
 - 3G: 1080p @ 50Hz / 59.94Hz / 60Hz
- ◆ SMPTE standards supported: 259M-C, 292M, 424M, 425M level A and level B
- ◆ One SDI loopout port
- ◆ OSD and menu for operation interface
- ◆ Autodetects HDMI EDID info for optimal source-to-screen communications
- ◆ Supports symmetric conversion of all formats
- ◆ Blue screen alarm for signal loss
- ◆ Manual VGA output 720p/1080p resolution selection
- ◆ SDI embedded audio conversion to HDMI output
- ◆ AV (CVBS) signal output (PAL/NTSC optional)
- ◆ Allows remote controller for selection of forced output mode

◆ Technical Specifications

Input socket	1×BNC SDI
Input signal type	SD-SDI(270Mbps),HD-SDI(1.485Gbps), 3G-SDI(2.97Gbps)
Input resolutions supported	525i 59.94, 625i 50 720p 23.98/24/25/29.97/30/50/59.94/60 1080i 50/59.94/60 1080p 23.98/24/25/29.97/30/50/59.94/60
SDI signal range	0.8Vp-p
SDI impedance	75Ω
SDI coupling type	AC Coupling
SDI jitter (typical values)	SD-SDI≤0.1UI HD-SDI≤0.2UI 3G-SDI≤0.4 UI
Max. input cable length	Belden 1694A: SD-SDI 400m, HD-SDI 200m, 3G-SDI 140m
Note: Cable length test result might be different according to cable types.	
SDI loop output	1×BNC SDI
HDMI output	1×HDMI
AV(CVBS) output	1×BNC
VGA output	1×VGA
Frequency bandwidth	165MHz / HDMI 1.3 standard compliant
Dimensions (mm)	154×119×36 (W×D×H)
Power supply voltage	5-24VDC



◆ HD Video Camera Tracking Matrix

GX-SDI0808



◆ Basic Functions

- ◆ Adopt RS232/RS485 control interface, used with digital conference system and HD Dome Camera
- ◆ Support 8-channel HD 3G SDI signal input, 8-channel HD 3G SDI signal switching output
- ◆ The matrix complies with SMPTE standard and ITU standard, and is compatible with 3G-SDI, HD-SDI, SD-SDI, DVB-ASI, embedded audio and other digital signal transmission, support 10Mb/s~3Gb/s bit rate digital signal
- ◆ With automatic equalization function and clock recovery function, ensure high-quality signal transmission
- ◆ Support various control methods such as RS232/RS485/remote network/local keyboard control
- ◆ Adopt 1U metal shell, support rack-mounted installation

◆ Technical Specifications

Input	
Signal type	3G-SDI/HD-SDI/SD-SDI/DVB-ASI/Embedded Audio
Connector	BNC, according to IEC169-8 standard
Code rate	10Mb/s~3Gb/s
Impedance	75Ω
Reflection loss	>15dB 5MHz~3GHz
Signal amplitude	800mV±10%
Channel number	8 channels
Output	
Signal type	3G-SDI/HD-SDI/SD-SDI/DVB-ASI/Embedded Audio
Connector	BNC, in line with IEC169-8 standard
Impedance	75Ω
Reflection loss	>15dB 5MHz~3GHz
Clock recovery	Automatic output optional
Rise/fall time	0.6ns±100ps
DC offset	0V±0.5V
Signal amplitude	800mV±10%
Jitter	<0.2UI
Channel number	8 channels
Specifications	
Power Supply	AC 100~240V, 50~60Hz
Power	10W
Control type	RS232/RS485/remote network/local keyboard
Product size	480×45×50mm
Package size	540×210×100mm
Product weight	0.64kg
Gross weight	1.1kg
Working temperature	0°C~50°C
Storage temperature	-20°C~75°C
Operating humidity	20%~70%RH, no condensation
Storage humidity	0%~90%RH, no condensation

◆ Speed Dome Controller

GX-KB01



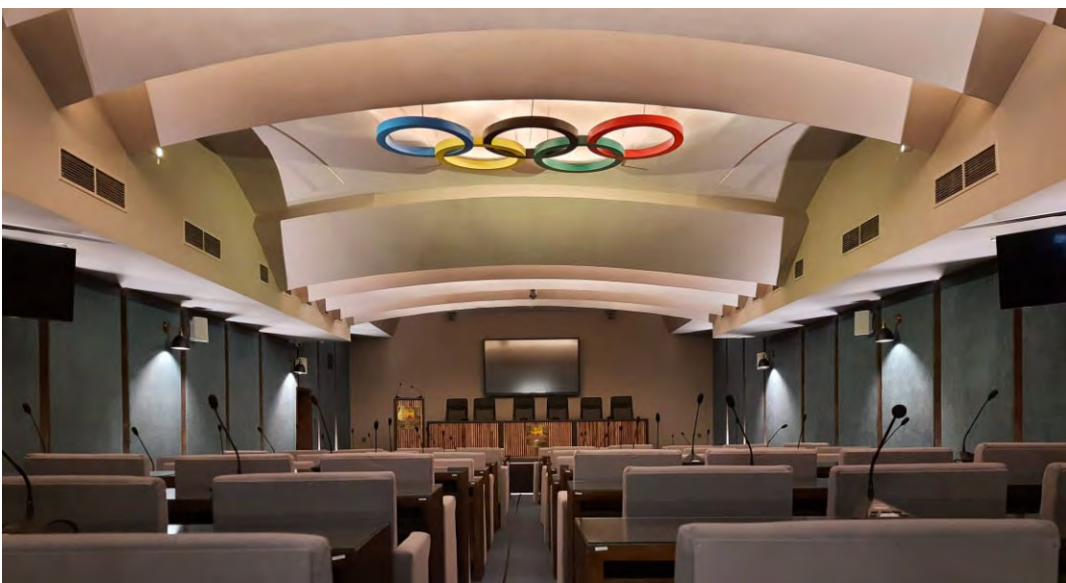
Basic Functions

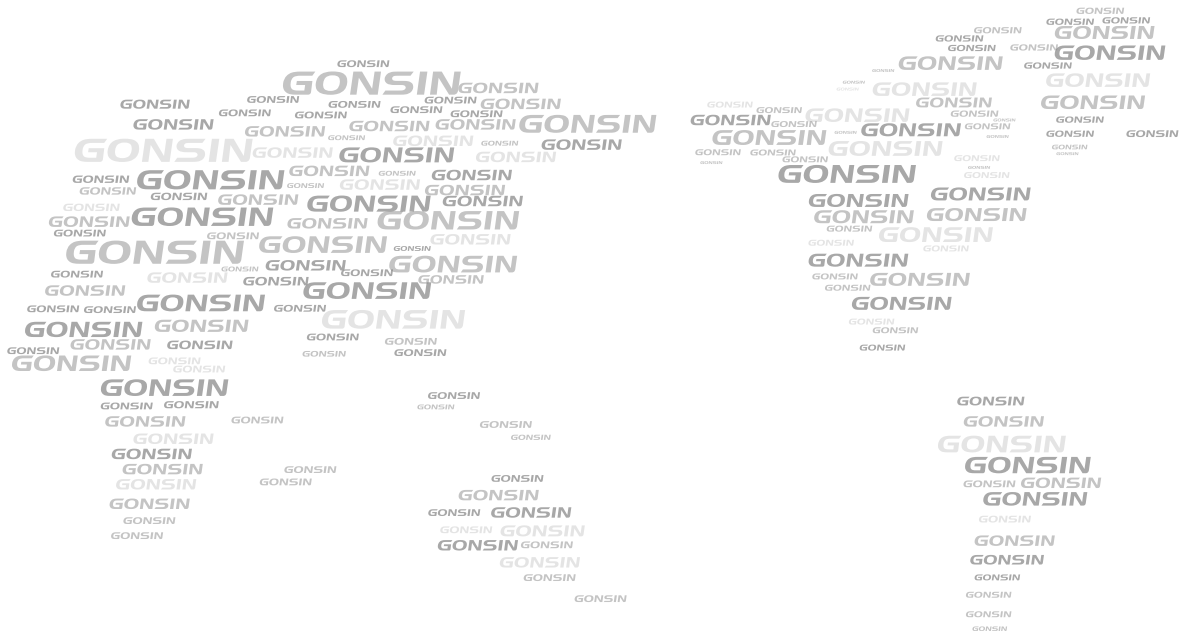
- ◆ LCD display both Chinese/English menu, with voice prompt when pressing buttons
- ◆ 3-axis joystick, adjust the speed of the camera or pan&tilt
- ◆ 2 dimension button control, can accurate to the speed of every state
- ◆ Support PELCO P, PELCO D, VISCA protocol
- ◆ Can control the rotate, zoom, iris, focus and camera parameter setting of the camera or pan&tilt
- ◆ Adopting RS-485, RS-422 and RS-232 multi-interface, maximally connect 256 PCS integrated high speed dome and camera
- ◆ Maximal Communication distance: 1200m (0.5mm twisted-pair)
- ◆ Metal shell, computer keyboard key design
- ◆ Commonly use special function button for selection and definition
- ◆ Real-time display of the working status of the decoder and matrix
- ◆ The communication interface has a automatic recovery design for short-circuit and over-current protection



Technical Specifications

Communication method	RS-485 half duplex, RS-422 full duplex, RS232 full duplex
Communication rate	1200/2400/4800/9600
Interface	RJ45 network port, RS232 standard socket, binding post
Supply voltage	DC12V
Power consumption	5W
Display method	LCD
Working temperature	-10~50°C
Working humidity	10~90% (no condensation)
Protection level	IP50
Weight	1.5Kg
Dimensions (L×W×H)	271×181×54mm





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