

# Auto-tracking PTZ Camera

DC-AT612  
DC-AT620  
DC-AT630



## DESCRIPTION:

DGX Digital DC-AT Series is a high-performance PTZ camera designed for professional applications. Equipped with a 1/2.8" SONY CMOS sensor, it delivers exceptional 1080p video at 60 frames per second. Its auto-tracking feature, powered by advanced AI algorithms, ensures precise and rapid object tracking. With multiple interfaces (HDMI, USB, 3G-SDI, LAN), the DC-AT Series offers versatile connectivity options. Additionally, it supports PoE and NDI|HX2 for low-latency data transmission and remote control. The camera's electro-mechanical PTZ mechanism provides smooth and fast pan and tilt movements, making it ideal for various applications such as live streaming, surveillance, and video conferencing.

## FEATURES:

- **High-Resolution Video:** 1080P@60FPS resolution for clear, detailed images.
- **Advanced Tracking:** Auto-tracking technology with human detection AI for accurate and fast object tracking.
- **Versatile Connectivity:** Multiple interfaces (HDMI, USB, 3G-SDI, LAN) for flexible output options.
- **Remote Control:** Control the camera using RS232, RS485, USB, LAN, or IR remote.
- **Network Compatibility:** Supports NDI|HX2 and PoE for low-latency data transmission and control, ideal for live streaming.
- **Streaming Protocols:** Supports RTMP and RTSP for seamless streaming integration.
- **Powerful PTZ Movement:** Electro mechanical PTZ with wide horizontal ( $\pm 175^\circ$ ) and vertical ( $\pm 90^\circ/\pm 60^\circ$ ) rotation ranges and adjustable speeds.

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## SPECIFICATIONS:

Model	DC-AT612	DC-AT620	DC-AT630
<b>Camera</b>			
Sensor	1/2.8"		
Effective Pixels	2.07MP		
Video Signals	1080P60, 1080P59.94, 1080P50, 1080P30, 1080P29.97, 1080P25, 1080I60, 1080I59.94, 1080I50, 720P60, 720P59.94, 720P50		
Zoom	12x optical zoom	20x optical zoom	30x optical zoom
Lens	F=4.2mm ~ 50.4mm	F=4.6mm ~ 92mm	f=4.6mm ~ 138mm
Aperture	F1.8 ~ F2.8	F1.8 ~ F3.6	F1.8 ~ F3.6
Horizontal Angle	70.2° ~ 6.52°	62.3° ~ 3.46°	62.3° ~ 2.31°
Vertical Angle	42.6° ~ 3.76°	36.1° ~ 1.92°	36.1° ~ 1.29°
Diagonal Angle	77.5° ~ 7.53°	69.5° ~ 3.86°	69.5° ~ 2.63°
Digital Zoom	8X		
Video Output	USB 3.0, HDMI, RJ45, SDI		
Signal Standard	NTSC/PAL		
Control Interface	RS232, RS485, USB, NET		
Shutter	1/30s ~ 1/10000s		
Digital Noise Reduction	2D & 3D Digital Noise Reduction		
Control Protocol	VISCA, Pelco-D, Pelco-P		
Horizontal Rotation	350° (±175°) 0.1°/s ~ 100°/s		
Vertical Rotation	180° (±90°) 0.1°/s ~ 80°/s		
H & V Flip	Support		
Image Freeze	Support		
PoE	Support		
Number of Preset	255		
<b>IPC Features</b>			
Video Encoding	H.264/H.265/MJPEG		
Video Stream	Main Stream, Sub Stream		
Main Stream Resolution	1920x1080, 1280x720, 1024x576, 940x540, etc.		
Sub Stream Resolution	1280x720, 1024x576, 720x480, 720x408, etc.		
Video Bit Rate	32Kbps ~ 102400Kbps		

Disclaimer: As per our company policy one of the constant product improvements the right is there for reserved to modify the product specification without prior notice and the picture shown in the datasheet is a design base, the actual picture may vary.