



Professional PTZ Camera

P12i

Full HD AI-Tracking PTZ Camera · 12× Optical Zoom

**Wide view for the room.
Close-up when you need it.**



1080P60

Full HD output

12×

Optical zoom

72.5°

Horizontal field
of view (wide end)

AI

Presenter tracking

P12i is a CAVE Full HD PTZ camera with 12× optical zoom, AI tracking and HDMI, 3G-SDI, USB and IP outputs, built for small and medium meeting rooms and classrooms up to about 12 m deep. PoE (802.3af) carries power and the network connection over one cable, and it works with VISCA, Pelco, ONVIF and UVC control systems.

1

Full HD 1080P60

A 1/2.7" CMOS sensor (2.07M effective pixels) delivers up to 1080P at 60 fps, with backlight compensation and 2D & 3D digital noise reduction.

2

12× Optical Zoom

From a 72.5° horizontal field of view at the wide end, zoom in 12× (f = 3.5–42.3 mm, F1.8–F2.8) to frame the presenter in close-up. Autofocus keeps the picture sharp as you zoom.

3

AI Tracking

Built-in AI tracking follows the presenter automatically, so no camera operator is needed in lectures, training rooms and meetings.

4

HDMI, 3G-SDI, USB and IP

HDMI and 3G-SDI outputs, USB 3.0 (Type-A) UVC video, and H.265/H.264 streaming over RTSP, RTMP, ONVIF and multicast.

5

Flexible Control

Control via RS-232 / RS-485 (VISCA, Pelco-D, Pelco-P), VISCA over IP, ONVIF, USB (UVC PTZ) or the included remote control.

6

Built-in Microphones, PoE

Two built-in microphones plus Line In / Line Out. PoE (802.3af) powers the camera over a single network cable.



Specifications



ItemSpecification		
Camera	Video System	1080P@60/59.94/50/30/29.97/25fps, 1080i@60/59.94/50fps, 720P@60/59.94/50fps
	Image Sensor	1/2.7" CMOS, 2.07M effective pixels
	Lens	12× optical zoom, 16× digital zoom, f = 3.5–42.3 mm, F1.8–F2.8; FOV (wide to tele): diagonal 83.2°–7.9°, horizontal 72.5°–6.9°, vertical 44.8°–3.9°
	S/N Ratio, Min. Illumination	≥ 55 dB; 0.5 Lux (F1.8, AGC ON)
	Image Processing	Autofocus; white balance (Auto, Indoor, Outdoor, One Push, Manual); backlight compensation; 2D & 3D digital noise reduction
	Pan / Tilt	Pan ±170°, 1.7°–100°/s; tilt –30° to +90°, 1.7°–69.9°/s
	Control Protocol	VISCA / Pelco-D / Pelco-P (RS-232 / RS-485), VISCA over IP (RJ-45), ONVIF (RJ-45), UVC (USB)
	Auto Tracking	AI Tracking
USB	Operating System	Windows® 7 (1080P or lower), Windows 8.1, Windows 10 or later; macOS™ 10.10 or later; Google™ Chromebook™ 29.0.1547.70 or later; Linux
	Color System / Compression	H.264 / MJPEG
	USB Video Protocol	UVC 1.0 / 1.5, PTZ control
IP Camera	Video Compression	H.265 / H.264
	Video Bit Rate	32–102400 kbps, variable and fixed rate
	Audio Compression	AAC-LC, 96 / 128 / 256 kbps
	Protocols	TCP/IP, HTTP, RTSP, RTMP, ONVIF, Multicast
Interface	Video Output	1 × HDMI (1.3); 1 × 3G-SDI (BNC)
	Audio	1 × Line In, 1 × Line Out (3.5 mm); 2 × built-in microphones
	Network	1 × RJ-45 Ethernet, 10/100/1000 Mbps; PoE (802.3af)
	USB	1 × USB 3.0 (Type-A)
	Control	1 × RS-232 In (8-pin mini-DIN); 1 × RS-232 Out (8-pin mini-DIN); 1 × RS-485 (2-pin Phoenix)
	Power Jack	JEITA type (DC IN 12V)
General	Input Voltage	DC 12V / PoE (802.3af)
	Power Consumption	12 W (max)
	Temperature	Operating 0°C–40°C; storage –40°C–60°C
	Dimensions (W×D×H)	169 × 142 × 164 mm
	Weight	1.35 kg
	In the Box	Camera, power adapter, remote control, quick start guide, warranty card