



Professional PTZ Camera

# P30i

Full HD AI-Tracking PTZ Camera · 30× Optical Zoom

**30× reach.**  
**Close-ups from far away.**



**1080P60**

Full HD output

**30×**

Optical zoom

**60.7°**

Horizontal field  
of view (wide end)

**AI**

Presenter tracking

**P30i** is a CAVE Full HD PTZ camera with 30× optical zoom, AI tracking and HDMI, 3G-SDI, USB and IP outputs, built for auditoriums, lecture halls and other long-throw spaces. 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

## 30× Optical Zoom

From a 60.7° horizontal field of view at the wide end, zoom in 30× (f = 4.42–132.6 mm, F1.8–F2.8) for close-ups from a long distance. 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

## PoE Single-Cable Power

PoE (802.3af) carries power and network over one cable for a clean installation. Line In / Line Out (3.5 mm) are provided for audio.



# 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                         | 30× optical zoom, f = 4.42–132.6 mm, F1.8–F2.8; FOV (wide to tele): horizontal 60.7°–2.28°, vertical 34.1°–1.28°                       |
|                   | 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, PTZ control                                                                                                                   |
| IP Camera         | Video Compression            | H.265 / H.264                                                                                                                          |
|                   | Video Bit Rate               | 32–102400 kbps, variable and fixed rate                                                                                                |
|                   | Audio Compression            | AAC, 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)                                                                                                     |
|                   | 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                                                                |