

4K PTZ camera

TVPROMPT

TVP-UH7100 KT

Robotics with advanced AI and Genlock



The **TVP-UH7100 KT** 4K PTZ camera redefines remote capture with its impressive **25X optical zoom** and **4K60fps** resolution. This professional robotic system features **AI tracking**, **Genlock synchronisation**, and multiple video outputs such as 12G-SDI and fibre. As a result, it guarantees absolute visibility of detail at great distances, making it **the preferred choice for productions** that demand **maximum optical and technological precision**.

Optics and Visual Performance

- **25X Optical Zoom:** High-end lens for capturing critical details at long distances (additional 8X digital zoom).
- **Image Sensor:** High-quality 1/1.8-inch SONY CMOS with 8.42 megapixels.
- **Ultra-HD Resolution:** Broadcast-grade output up to 4K at 60 fps.
- **Field of View (HFOV):** Horizontal angle from 59.2° (Wide) to 2.6° (Tele).
- **Focus and Aperture:** Precise autofocus system with aperture from F1.5 to F3.4.
- **Low Light Performance:** Minimum illumination of 0.5 Lux (F1.8, AGC ON).
- **Noise Reduction:** Advanced 2D and 3D DNR technologies.



Intelligence and Advanced Functions

- **Intelligent Tracking (AI Tracking):** AI algorithms for automatic detection and tracking of people.
- **Gesture Recognition:** Allows tracking to be activated or managed using hand movements.
- **GEN-LOCK Synchronisation:** Interface for coordinating multiple cameras using a unified clock signal.
- **AI Privacy:** Privacy mask function to automatically pixelate faces or bodies.
- **Front OLED Display:** Integrated panel that shows the IP address and output resolution in real time.

More specifications

- **Simultaneous Video Outputs:** HDMI 2.0, 12G-SDI, 3G-SDI, LAN, and Fibre Optic (SFP28).
- **NDI®|HX3 Support:** Compatibility with low-latency transmission over IP networks.
- **Network Protocols:** Supports SRT, RTMP, RTMPS, RTSP and ONVIF standard.
- **Audio Interface:** 3.5 mm line input for direct audio.
- **SFP28 Fibre Module:** Ready for long-range 4K video transmissions.
- **Serial Control:** RS232 (In/Out) and RS422/485 ports.
- **Control Protocols:** Compatible with VISCA, Pelco-D and Pelco-P.
- **Tally Light:** Support for active camera signal light.
- **PTZ Movement Range:** Pan $\pm 174^\circ$ and Tilt -30° to $+90^\circ$.
- **Robotic Speed:** Up to $120^\circ/s$ Pan and $80^\circ/s$ Tilt.
- **Versatile Power Supply:** Supports PoE+ (802.3at) or direct DC 12V / 1.5A input.
- **Maximum Power Consumption:** 15.6 W.
- **Dimensions and Weight:** 158 x 193 x 208 mm | 1.9 kg.
- **Colour:** Available in Black.
- **Included Accessories:** IR remote control, power adapter, wall or ceiling mount, and user manual.