

CONFERENCE SYSTEM

CY-UV20U-4K

4K 20× PTZ Conference Camera with AI Tracking

1/2.8" SONY CMOS, 20× optical zoom, USB / HDMI / LAN outputs and AI auto-tracking — for conference, broadcast and distance learning



The CY-UV20U-4K is a 4K PTZ conference camera built on a 1/2.8" SONY CMOS with 8.29 MP, 20× optical (8× digital) zoom and AI single / multi-person tracking. Simultaneous USB 3.0, HDMI and RJ45 outputs feed soft-codecs, matrices and IP workflows, while VISCA and PELCO-D/P control integrates it with the CY-7145M host for camera tracking.

4K
UHD

20×
OPTICAL

SONY
CMOS

USB+HDMI
+LAN

AI
TRACKING

255
PRESETS

PoE
POWER

KEY FEATURES

- ✓ **4K 1/2.8" SONY CMOS** — 8.29 MP for sharp ultra-HD conference and broadcast video
- ✓ **20× Optical / 8× Digital Zoom** — f=4.95–99 mm covers wide 51.9° to tight 3.0° framing
- ✓ **Triple Output** — USB 3.0 + HDMI + RJ45 stream to soft-codecs, matrices and IP systems
- ✓ **AI Auto-Tracking** — single-person and multi-person tracking modes
- ✓ **Fast, Precise PTZ** — 350° pan / 180° tilt, 255 presets, IR remote
- ✓ **VISCA / PELCO-D-P Control** — integrates with the CY-7145M host for camera tracking
- ✓ **Flexible Power** — PoE or DC 12V adapter

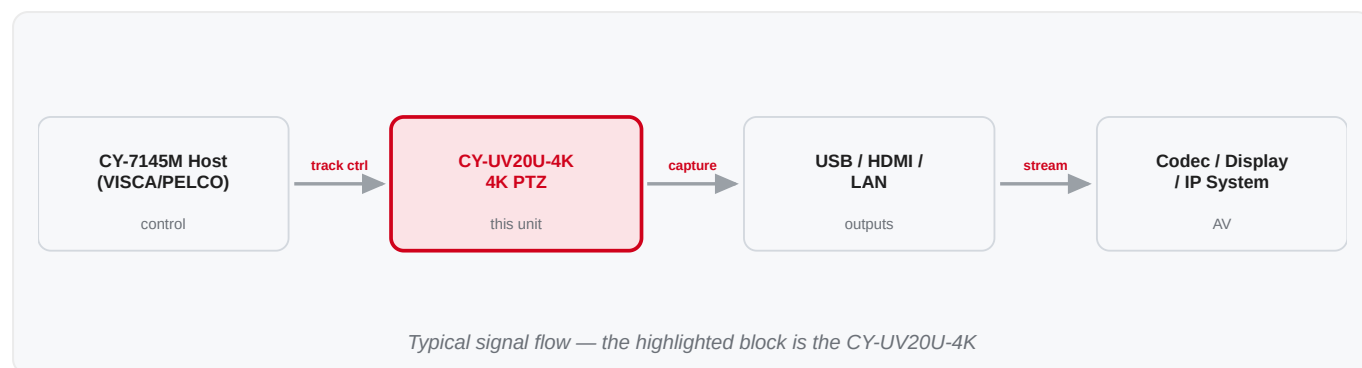
INSTALLATION NOTES

- Connect HDMI for local display, USB 3.0 for soft-codecs, RJ45 for IP streaming.
- Control over RS-232 / RS-485 (VISCA / PELCO) from the CY-7145M host for auto-tracking.
- Power over PoE or the DC 12V/2A adapter.

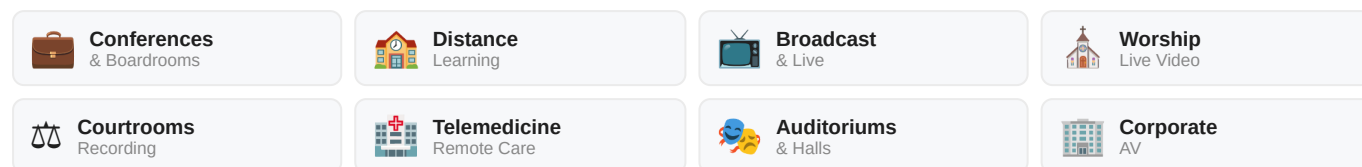
TECHNICAL SPECIFICATIONS

Model	CY-UV20U-4K	Sensor	1/2.8" SONY CMOS
Effective Pixels	8.29 MP	Lens	f=4.95–99 mm
Zoom	20× optical / 8× digital	View Angle	3.0° – 51.9°
HDMI	3840×2160p30 max	USB	H.264/H.265 2160p30
Interfaces	USB 3.0 + HDMI + RJ45	Control	USB / RS-232 / RS-485
Protocols	VISCA, PELCO-D/P	Presets	255
Pan / Tilt	350° / 180°	AI Tracking	single / multi-person
OS	Win / macOS / Android / Linux	Power	DC 12V/2A or PoE
Max Consumption	24W	Dimensions	166 × 165 × 170 mm
Net Weight	1.6 kg	Certifications	CE, 3C, RoHS

SYSTEM CONNECTION DIAGRAM



TYPICAL APPLICATION SCENARIOS



WHY C-YARK



COMPATIBLE WITH

Integrates with the CY-7145M host for VISCA / PELCO camera tracking; outputs to HD matrices, soft-codecs and IP streaming platforms.

ORDERING & SUPPORT

Model: CY-UV20U-4K
Lead time & MOQ: contact distributor
Distributor (Bangladesh): DIGI-MARK SOLUTION
 Specifications subject to continuous improvement.