CCTV · NETWORK VIDEO RECORDER

TCM-P3016AI/H1/V

All in One 16-Channel VOIP NVR

Record, play back and manage up to 16 IP cameras.



16 CH IP camera input

8MP / 4K Recording

1 × SATA Up to 8 TB

IP Speaker HTTP URL API

SIP Phone IP PBX, 12 lic.

12 SIP VoIP / SIP

DESCRIPTION

The TCM-P3016AI/H1/V is a compact 16-channel network video recorder that accepts 16 IP cameras at 5MP or 10 at 4K. It decodes Smart H.265+, H.265, Smart H.264+, H.264 and MJPEG, shows live video on simultaneous HDMI (4K) and VGA outputs, and stores up to 8 TB on one SATA drive. With supported cameras it adds human detection, face capture, electric fence and off-duty detection. A built-in IP PBX server with 12 licenses, SIP, multicast and an HTTP URL API link it to IP speakers for voice alerts.

FEATURE

- 16 IP channels: 16 × 5MP or 10 × 4K
- Smart H.265+ / H.265 / H.264+ / H.264
- Simultaneous HDMI (4K) and VGA output
- 1 SATA HDD, up to 8 TB
- Human, face, electric fence, off-duty alarm
- IP PBX (12 lic.), SIP, multicast, HTTP API
- Alarm output via IP camera feature
- ONVIF, mobile app and desktop VMS

SPECIFICATION

MODEL	TCM-P3016AI/H1/V
Channels	16 × 5MP or 10 × 4K IP cameras
OS	Embedded Linux
Video Codec	H.265+ / H.265 / H.264+ / H.264 / MJPEG
Audio Codec	G.711A, G.711U, G.726
Video Output	1 × HDMI (4K), 1 × VGA, simultaneous
Display Split	1 / 4 / 6 / 9 / 10 / 16
Playback	1-ch 4K or 2-ch 5MP
Recording Mode	Scheduled, motion, manual, smart
Storage	1 × SATA, up to 8 TB
Network	1 × RJ45, 10/100 Mbps
USB	2 × USB 2.0 (rear panel)
Audio Output	HDMI, 3.5 mm jack
IP PBX	Built-in SIP server, 12 licenses
IP Speaker Linked	HTTP URL API, Multicast
Alarm Output	Via IP camera alarm feature
Protocols	ONVIF, RTSP, P2P, DDNS, HTTPS
Remote Access	Mobile app, desktop VMS
Power	DC 12 V, 3 A; ≤ 15 W (no HDD)
Environment	−10 °C to +50 °C, 10 – 95% RH
Dimension	200 × 175 × 40 mm
Net Weight	0.5 kg (without HDD)

TOPOLOGY



The NVR links to a PoE switch that carries data and power to IP cameras, SIP phones and IP speakers.

© 2026 Techma Technology · Specifications are subject to change without prior notice