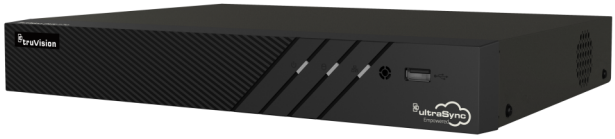
TVR-1816-2T

TruVision™ DVR 18, HD-TVI Hybrid 16 channel recorder, 2 TB

Product overview

The TVR18 Series is a versatile and feature-rich hybrid video recording solution, designed to support a seamless transition from legacy analog systems to modern high-resolution surveillance. The TVR-1816 offers a cost-effective option for recording up to 16 analog or HD analog cameras, making it ideal for small-scale installations.
As a true hybrid recorder, the TVR18 supports a wide range of camera formats including analog, HD-TVI, HD-CVI (up to 4 MP), HD-AHD (up to 5 MP), and IP cameras. This flexibility makes it an excellent choice for upgrading existing analog infrastructures, delivering a competitive, practical, and future-ready solution



Easy to use

With built-in UltraSync connectivity, the TVR18 series simplifies remote access—no port forwarding or VPN configuration required. Integration with the UltraSync cloud platform enables seamless remote management via the TVRMobile app and TruVision Navigator software (version 9.4SP2 or newer), unlocking full access to UltraSync features and future enhancements.
Remote video viewing is intuitive and secure, while advanced analytics such as people and vehicle recognition on analog channels and supported TruVision IP cameras help users quickly identify relevant events.

Intelligence on-board

The Intelligent Search feature enables rapid retrieval of relevant recordings from analog and HD analog cameras. The TVR18 also supports:
- Face recognition on up to 4 analog channels
- AI-based perimeter protection on up to 8 analog channels
These capabilities enhance situational awareness and reduce response times in critical scenarios.

Flexible deployment

The TVR-1816 leverages open HD-TVI technology, supporting cameras up to 8 MP over existing coaxial cabling. It also maintains compatibility with standard analog cameras, allowing users to retain legacy equipment where appropriate.
All channels can be configured for IP cameras up to 4K (8 MP), making the TVR18 a truly hybrid solution. Support for H.265 encoding ensures efficient storage and bandwidth usage across both analog and IP streams.

Applications

Dettagli

- Embedded Linux OS with plug-and-play configuration
- Supports analog, HD-TVI, HD-AHD, HD-CVI, and IP camera technologies
- Flexible channel support: up to 16 analog + 16 IP cameras, or up to 32 IP cameras (with analog channels disabled)
- Supports HD-TVI and IP cameras up to 8 MP (4K)
- 2TB internal storage with real time Full HD recording
- Multiple video outputs: HDMI, VGA, and BNC
- UltraSync cloud support for remote access without port forwarding
- Advanced analytics: people/vehicle detection on analog and IP channels (max. 8), face recognition (max.4 analog channels)
- Third party IP camera support via ONVIF Profile S
- Integration of Aritech IP intrusion panels via SIA/XSIA reporting
- TVK-610 IP keypad support
- Over-the-coax control for TruVision fixed/PTZ HD-TVI cameras
- Reuse existing coaxial cabling for HD-TVI, HD-AHD, and HD-CVI cameras
- Access via browser, OSD, TVRMobile app (iOS/Android), and TruVision Navigator software
- External integration through SDK

The TVR18 Series is ideal for upgrading small-scale analog systems in residential, retail, and small office environments, where high-quality video is essential but costly rewiring is not feasible. Its hybrid flexibility and intelligent features make it a smart investment for scalable security.

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Specifiche tecniche

Generale

Tecnologia	Analogico, HD-TVI analogico, IP
Sistema operativo	Embedded Linux
Si può installare su rack	Si

Ingresso audio/video

Canali telecamera	16
Canali telecamera analogica	16
Canali della telecamera IP	16 or 32 (with all analog channels disabled)
Max. Kaista per kanava	Analog: up to 8 Mbps (main stream) / up to 3 Mbps (sub stream) IP: follow capacity of IP camera but will not exceed 16 Mbps
Larghezza di banda telecamera	256 Mbps (combined in/out)
Compressione audio	G.711
Entrée analogique maximum	4-ch, RCA (2.0 Vp-p, 1 kOhm)
Stadards di compressione video supportati	H.264, H.264+, H.265, H.265+
Standards di video streaming supportati	Onvif

Visione locale

Uscita HDMI	1
Versione HDMI	1.4
Uscita VGA	1
Uscita BNC	1
Max. risoluzione uscita locale	4K
Lecture OSD synchrone (canaux)	Up to 16 channels
Riproduzione inversa OSD (canali)	1 channel

Visione a distanza

Larghezza di banda totale disponibile	Combined in and out bandwidth of 256 Mbps
Max. visualizzazioni live stream	128
Max. visualizzazioni playback stream	32
Max. playback web browser simultanei	Up to 16 channels
UltraSync support	Yes, embedded
Compatibilità Software	TruVision Navigator, TVRmobile
Compatibilità browser	Google Chrome, Microsoft Edge, Mozilla Firefox, Safari

Memoria

Capacità di immagazzinamento	2 TB
Interfacce SATA	2
Capacità massima per SATA HDD (TB)	10 TB
Modalità di registrazione	Continuous, Eventi, Manuale
Registrazione esterna	NAS

Networking

Schede di interfaccia di rete (NIC)	1
Tipo NIC	RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
Supporto DNS	DDNS, ezDDNS, Nessun IP
Supporto HTTPS	Si

Interfaccia esterna

Interfaccia USB posteriore	1
Interfaccia USSB frontale	1
Interfaccia Seriale	RS-485
Ingresso di allarme	16
Uscita di allarme	4
Max. uscite audio analogiche	1

Elettrico

Valore di alimentazione	12 VDC (external PSU included)
Potenza assorbita senza HDD (W)	Less than 60 W

Fisico

Dimensioni fisiche	385 x 315 x 52 mm (W x D x H)
Peso netto	2.1 kg
Colore	Nero

Ambientale

Temperatura operativa	-10 to +55ºC 14 to 131ºF
Umidità relativa	10 to 90%

Regolatorio

Conformità	CE, REACH, RoHS, UKCA, UL, WEEE

Storage

Maximum recording resolution	4K/8MP (IP, HD-TVI, HD-CVI), 5MP (HD-AHD)

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