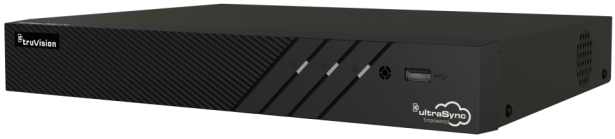
TVR-1816-20T

TruVision™ DVR 18, HD-TVI Hybrid 16 channel recorder, 20 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 (up to 8MP), 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 9.4SP3 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

Détails

- 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)
- 20TB 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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Spécifications techniques

Général

Technologie	Analogique, HD-TVI analogique, IP
Système d’exploitation	Embedded Linux
Montage en rack	Oui

Entrée vidéo/audio

Canaux caméra	16
Canaux caméra analogiques	16
Canaux caméra IP	16 or 32 (with all analog channels disabled)
Bande passante Max par canal	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
Bande passante de la caméra	256 Mbps (combined in/out)
Compression audio	G.711
Entrée analogique maximum	4-ch, RCA (2.0 Vp-p, 1 kOhm)
Normes de compression vidéo prises en charge	H.264, H.264+, H.265, H.265+
Normes de streaming vidéo prises en charge	Onvif

Visualisation locale

Sortie HDMI	1
Version HDMI	1.4
Sortie VGA	1
Sortie BNC	1
Résolution de sortie max. locale	4K
Lecture OSD synchrone (canaux)	Up to 16 channels
Lecture inversée OSD (canaux)	1 channel

Visualisation à distance

Bande passante d'affichage totale disponible	Combined in and out bandwidth of 256 Mbps
Flux de visualisation max. en direct	128
Flux de lecture maximum	32
Lecture simultanée max. via le navigateur	Up to 16 channels
UltraSync support	Yes, embedded
Logiciel compatible	TruVision Navigator, TVRmobile
Navigateur compatible	Google Chrome, Microsoft Edge, Mozilla Firefox, Safari

Stockage

Capacité de stockage	20 TB
Interface SATA	2
Capacité Max. par disque dur SATA (To)	10 TB
Modes d'enregistrement	Continuous, Event, Manual
Stockage externe	NAS

Réseau

Cartes interface réseau (NIC)	1
Type NIC	RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
Support DNS	DDNS, ezDDNS, Pas d'IP
HTTPS	Yes

Interfaces externes

Interface USB arrière	1
Interface USB avant	1
Interface série	RS-485
Entrées d'alarme	16
Sorties d'alarme	4
Sorties audio analogique maximum	1

Électrique

Valeur de l'alimentation	12 VDC (external PSU included)
Consommation d'énergie sans disque dur (W)	Less than 60 W

Caractéristiques physiques

Dimensions physiques	385 x 315 x 52 mm (W x D x H)
Poids net	2.1 kg
Couleur	Noir

Environnement

Température de fonctionnement	-10 to +55ºC 14 to 131ºF
Humidité relative	10 to 90%

Régulateur

Conformité	CE, REACH, RoHS, UKCA, UL, WEEE

Storage

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

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