



Communities – Civil Defence – Work Sites – Waste Collection Centers – Isolated Sites – Storage Areas – Industrial Sites – Ports – Airports

BVi-TR 400 NOMADIC 4G VIDEO UNIT

The Swiss Army knife of CCTV



BVi-TR 400 is a digital video recorder/encoder that adapts to fit your present and future needs for securing public and private spaces.

BVi-TR 400 uses video compression and transmission technology that requires only minimal bandwidth for real-time netcasting (using 3G/4G, Satellite WiFi, ADSL).

- ⇒ 12 to 25 images a second output in real-time
- ⇒ Local recordings are made on extractable industrial recording media
- ⇒ No need for road works
- ⇒ Fast deployment in less than an hour

COMPLIANT WITH APPLICABLE LAW

BVi-TR 400 is a product that is compliant with applicable laws relating to urban CCTV applications and that meets the recommendations made as regards securing data:

Legal requirements:

French Acts of 3 August, 2007 (CCTV) and 26 February, 2009 (automatic registration plate reading).

Recommendation dated 14 February, 2013 from the French Network and Information Security Agency (ANSSI).

Administrative requirements:

Prefectoral authorisation: Domestic security code.

Provisional authorisation: Article 10 III bis of Law 95-73 dated 21 January, 1995 as modified (for a maximum four month duration).

ACCESSIBILITY AND COST EFFECTIVENESS

BVi-TR 400 is a nomadic video concept suitable for urban protection and worksite CCTV security applications.

- ⇒ Fast deployment:
 - Set up the system and configure it in less than an hour
 - No civil engineering costs entailed
 - Battery or public lighting power supply
- ⇒ Highly mobile:
 - Avoids the restrictions of radio and wired networks
 - Can be embarked onboard a vehicle
- ⇒ Low CSU type infrastructure costs:
 - No need to tie-up facilities
 - Can be integrated into most of the supervisors used (VMS)
 - Receive pictures on PCs or Tablets for viewing by approved and authorised users

FLEXIBILITY

BVi-TR 400 is the ideal complement for existing urban CCTV installations:

- ⇒ Civil defence issues (especially for isolated locations)
- ⇒ Vandalism (ensuring resilience for existing installations)
- ⇒ The "crime displacement" effect
- ⇒ Seasonal issues
- ⇒ High risk areas (waste centres, worksites, storage facilities, ports, airports, roadways...)
- ⇒ One-off civil events (celebrations, concerts, festivals ...)

MOBILITY

For all of these reasons **BVi-TR 400** thanks to its mobility and its flexibility in use ensures very easy reporting to the authorities at low cost and with the ability to take real-time decisions.

FLEXIBILITY

BVi-TR 400 is aimed at towns, public works companies, businesses, civil defence authorities and law enforcement

- ⇒ It accepts most fixed or mobile cameras
- ⇒ One to four cameras can be connected to the recorder unit
- ⇒ Cameras can be connected by wire or radio network

INTEROPERABILITY AND SECURITY

- ⇒ A standard recording format is used to simplify operation via open source or benchmark solutions available on the market
- ⇒ Local recording using (extractable) ciphered industrial recording media in native quality, 24/7

HARMLESS HIGH PERFORMANCE

- ⇒ Advanced event management capacities thanks to external sensors and actuators so as to provide intelligent, standalone video protection
- ⇒ This is a system that can evolve to integrate an automatic registration plate reading function for use on the way into our out of towns and cities, for example
- ⇒ High availability, operates 24/7 with hardware supervision
- ⇒ Using 3G/4G technology guarantees that the system is harmless to residents thanks to the use of standardised frequencies available for public use
- ⇒ Fast operation and downloading via le WiFi MIMO



TECHNICAL SPECIFICATIONS

Interfaces

Inputs / Outputs	2 I/O with flexible control over related actions
Configuring & updating	USB, 3G/4G & WiFi

Network interfacing

Mobile networks	EDGE, 3G (UMTS) & 4G (LTE)
Ethernet	10/100/1000Mb/s
WiFi	802.11a/b/g/n for configuring and downloading recordings

Recording

Storage	Extractable 3.5" hard disk drive specially for CCTV applications running 24/7 – 3Tbytes (and over)
Quality	H.264 native, 25 fps camera
Security	On the fly data ciphering (AES-256)

Video

Camera(s)	1 to 4 (with additional power supply and network box)
Acquisition	IP MJPEG or H.264
Distribution	H.264 at 12 fps in 4CIF (704x576), CIF (352x288) or QCIF (176x144) modes
Smart Video Surveillance	Retrieves and uses VSI events provided by the camera

Ciphering

VPN	AES-256
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Case

Materials	Chassis and box mount in stainless steel Box cover made from ABS PMMA
Protection level	IP65
Dimensions	H=415mm x W=250mm x D=120mm
Weight	7.1 Kg (excluding the camera)

Power supply

Input voltage	+12/24VDC (from power pack) 220VAC mains
Power consumption	23W when supplying a video feed (excluding camera)

Environment

Operating temperature	-20°C to +60°C
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Options and accessories

Lamppost power pack	LongLife Lithium-Ion battery, 12 / 24VDC, 640Wh, IP66, IK10.
Volumetric detection	Intelligent infrared detection system
RF sensors	Case opening, alarm button, etc.
Sensors & detectors	Water level, smoke, temperature, additional dry contacts, etc.
Actuators	Siren, lighting, infrared, etc.
Registration plate reading	Camera with or without recognition functions (OCR), OCR ciphering and secure operation (unciphering) using a dedicated dongle for Police officers

Software

Operation	Real-time display, PTZ camera control Downloading compressed video sequences, Recording and capturing photographs, managing the energy pack, Motion detection, rounds, events and related actions.
Viewing	Unlimited number of simultaneous viewers.
Administration	Managing users and rights, configuring BVi.

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Please contact us for any additional information on 4G Technology products.