DiREX-V8

Compact customizable eight-channel video encoding
or optionally video analytics array

bwa
endless video coverage

DiREX-V8 in desktop
assembly

Optional S8L2G-4POE switch

BNC plate with optional BWA-RM1 kit

- **H.264 streaming with multi NAS support**
- **Motion detection fields with pre-recording**
- **Optionally advances video analytics units**
- **Eight stand-alone Linux-powered engines**
- **Bundled restriction-free MV2 software**
- **USB with screw locking, eight LAN ports**
- **Low voltage power supply via PoE ports**
- **10"/19" rack mountable, 1U (low depth)**

The compact **DiREX-V8** network video array converts up to eight analog video signals into highly compressed IP streams - based on **DiREX-ONE** engines (progressive scan or dual resolution video). No any special IP-NVRs (network video recorders) are necessary - if required, the recording of the video data can be performed on several conventional NAS devices (network attached storage) simultaneously. Proprietary H.264+ approach with AME (Advanced Motion Estimation) delivering up to 40% more video compression efficiency than standard H.264-BP implementations.

Alternativelly each channel can be equipped with stand-alone video analytics engines - based on **DiREX-SCAN** (panoramic view with external PTZ facial zooming) or **DiREX-PARKING** (ANPR).

The **DiREX-V8** consumes very little power and can be used as a stand-alone desktop device or rack mounted with up to 32 video channels in a 19" 1U form factor.

www.mybwa.com

Technical Data

Possible engines
(factory installed) **DiREX-ONE.10**, **DiREX-ONE.11**,
DiREX-SCAN, **DiREX-PARKING** (Q4/10)

Operation temperature -10 ... +60 °C (fan-free design)
Power consumption approx. 23 W (4× PoE, Class 2)

Scope of delivery DiREX-V8, 8× BNC pigtailes, CD

Visualization PC, minimum Quad-Core 2 GHz CPU, 2 GB RAM,
(8 channels, incl. deinterlacing) dedicated graphic with 256 MB

Connectors

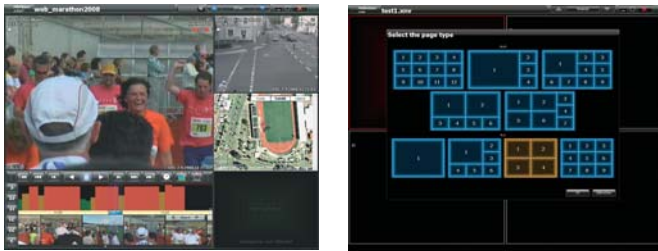|	
8× video inputs:	75 Ω, 1 Vpp (PAL or NTSC)
8× audio inputs:	2 kΩ, 0.25 Vpp (line-in)
8× service:	RS-232 (for each engine)
8× LAN (4× PoE):	10/100 Base-T, RJ45
1x USB (1st channel):	GPS NMEA data input, PTZ control

Weight approx. 1.3 kg
Dimensions 217×44×165 mm (mounted BNCs)
217×44×120 mm (dislocated BNCs)

Software

The bundled **BWA Multi-Vision** software can remotely monitor live and recorded data from several time-synchronized video sources and provide cross-platform analysis. Integration of Google Maps is also supported and NMEA positional data can be logged from a GPS receiver via a screw lockable USB interface.
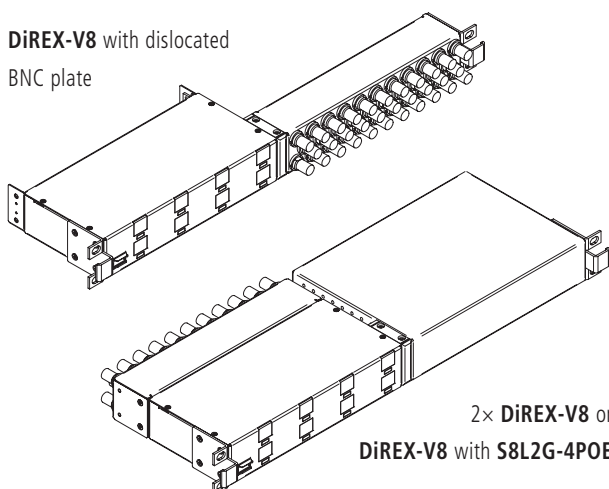

Video Encorder Efficiency

Typical space consumption with max. bitrate limited to 3000 Kbps:

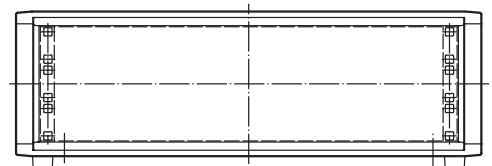| H.264 (AME)	Video	Audio	FPS	MB/hour
D-ONE.10	1	+	25	708
		-	25	674
			12.5	344
			6.25	241
	2	+	25	768
		-	25	738
			12.5	408
			6.25	305
D-ONE.11	1	+	25	1356
		-	25	1315
			12.5	689
			6.25	518

19" Rack Mounting (BWA-RM1)

DiREX-V8 with dislocated BNC plate

2× **DiREX-V8** or
DiREX-V8 with **S8L2G-4POE**

Optional Accessories

- **BWA-RM1** 10"/19" rack mounting kit (DiREX-V8 or S8L2G)
- **S8L2G-4POE** Layer 2+, 8 ports (4 PoE) remotely managed switch with 1000B-T/SFP uplink port, 217×44×140 mm
- **BWA-CS3U** 3U (or 4U) polycarbonate case, lockable transparent door and wall mounting, 560×185×484 mm

Configuration for tamper-proof 32 channel system:
4× DiREX-V8, 3× BWA-RM1, S8L2G-4POE, 1U NAS (8 TB),
HP 2610-24/12PWR, 1U UPS (sine wave), BWA-CS4U