DVS500P SUBSTATION MONITORING SYSTEM

FEATURES

- Ideal for remote sites
- -40°C to $+70^{\circ}$C operating temperature
- Integrated video analytics for automatic detection of events and notification
- Pre-configured for PTZ camera system

KEY BENEFITS

- Automated monitoring of remote sites
- Reliable and low maintenance
- Simple low cost installation
- Connect DVS on existing network
- Automated site patrol with PTZ presets

The DVS500P provides the benefits of a Systems With Intelligence remote monitoring system in a pre-configured and easy to install package. The weather proof enclosure provides the power and network interfaces to connect the cameras. The DVS500P is a powerful platform that records from multiple cameras and incorporates a suite of sophisticated video analytic algorithms for automated monitoring.

The DVS500P is easy to use, with simple "plug-n-play" functionality that minimizes installation time and costs. It can be used in new or existing installations. The DVS500P is ideal for applications with remote sites that are managed from a central location.

Automated monitoring means operators are notified when the system detects events at the remote site. With the DVS on site, network bandwidth is conserved and the system continues to monitor and record events even if the connection to the control center is interrupted.

systems with **intelligence**

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TECHNICAL SPECIFICATIONS

SPECIFICATIONS - IPTZ1013 CAMERA

Sensor	1/3", 2megapixel, progressive scan, CMOS
Lens	4.5 ~ 135 mm (30x optical zoom)
Angle of View (H)	62.9° (wide) ~ 2.3° (tele)
Shutter	Auto/Manual; shutter time: 1/6 s ~ 1/100000 s
Minimum Illumination	Colour: 0.03 lux (F1.6, AGC ON) 0 lux with IR
IR Illumination	Smart IR, up to 150m (492ft) IR distance
Iris	Auto/Manual; F1.6 ~ F4.4
Day/Night	IR-cut filter with auto switch (ICR)
S/N	>52dB
WDR	Digital WDR
Max. Resolution	1080p
Pan Range	360° (endless)
Pan Speed	0.1°/s ~ 240°/s; Preset speed: 300°/s
Tilt Range	–15° ~ +90° (auto reverse)
Tilt Speed	0.1° ~ 160°/s; Preset speed: 240°/s
Power Input	24 VAC, 24 VDC
Power Consumption	42W
Dimensions	227x359.4 mm (8.9" x 14.2")
Weight	5.28 kg (11.6lb)
Ingress Protection	IP66

SPECIFICATIONS - IPTZ1016 CAMERA

Sensor	1/1.9", progressive scan, 2.0 megapixel, CMOS
Lens	5.7 ~ 216.6 mm, AF automatic focusing and motorized zoom lens
Angle of View (H)	58.4°~2.1°
Angle of View (V)	42.6°~1.3°
Angle of View (O)	71.8°~2.4°
Shutter	Auto/Manual; shutter time: 1s ~ 1/100000s
Minimum Illumination	Colour: 0.001Lux (F1.5, AGC ON) 0 Lux with IR
Iris	Auto/Manual; F1.5 ~ F4.5
IR Range	UP to 250m (820ft)
Day/Night	IR-cut filter with auto switch (ICR)
S/N	>52dB
WDR	120dB
Maximum Resolution	1080P
Pan Range	360° (endless)
Pan Speed	0.1°/s ~ 240°/s
	Preset speed: 300°/s
Tilt Range	–20° ~ +90° (auto reverse)
Tilt Speed	0.1° ~ 160°/s
	Preset speed: 240°/s
Power	24 V AC (Default) ±25%, 24 V DC±25%
	Power consumption: 10.6~51W
Dimensions(ØxH)	270 x 496.7mm (10.6" x 19.6")
Weight	9.69 kg (21.4 lb)
Ingress Protection	IP66

SPECIFICATIONS - DVS500

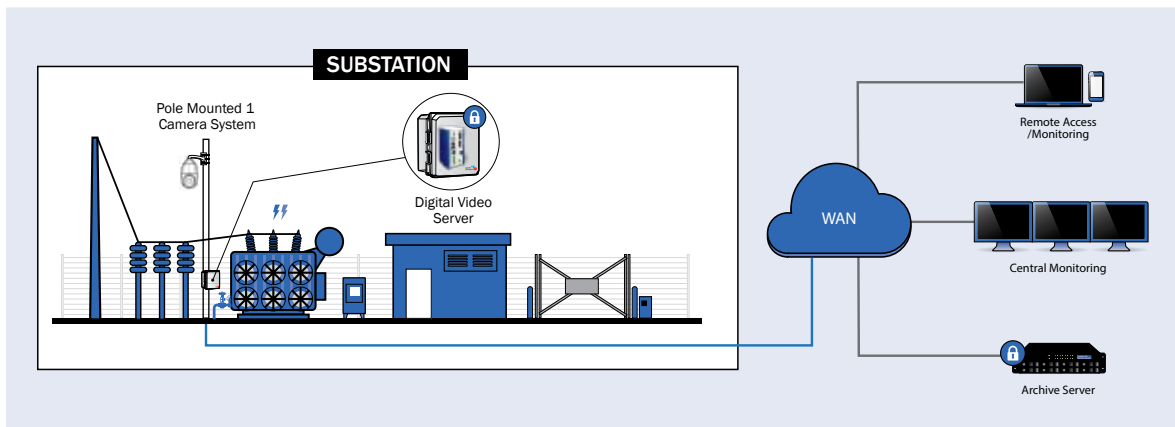|	
CPU	Intel® Atom™ E3950 1.6GHz SoC CPU, 4 cores
RAM	8G LPDDR4
LAN Interface	4-ports 100FX, MM, LC or 4-ports 10/100BaseTX
	2-port 10/100/1000TX RJ45 Interface
	1 Port 1000BaseSX, MM SFP LC
EMC/EMI	IEC 61850-3; IEEE 1613; IEC 61000-6-2; IEC 61800-3
Storage	256 GB
Power Input	20VDC-60VDC
Power Consumption	30W Max
Dimensions (L × W × H)	138.2 x 94.5 x 161 mm (5.44" x 3.72" x 6.34")
Weight	1.59kg (3.5lb)

SPECIFICATIONS - JUNCTION BOX
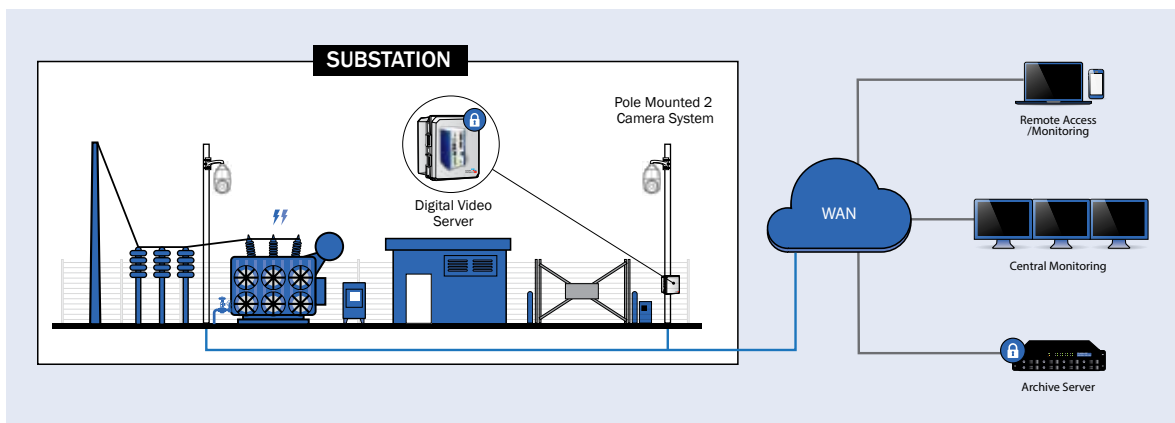
Power Input	100-264VAC/100-300VDC, 24VDC, 48VDC
Power Consumption	8W
Weight	7.94kg (17.5lbs)
Dimensions	406.4 x 355.6 x 203.2mm (16"x 14" x 8")

TYPICAL NETWORK ARCHITECTURE

DVS500P - 1 PTZ Camera System

DVS500P - 2 PTZ Camera System

CONFIGURATION

BASE UNIT - standard item not listed in options	Description
DVS500 installed with Junction Box with wall mount	
DVS500	1 HDMI Interface
	2 USB Ports
	2 x 10/100/1000 BaseTX Ethernet Ports + 1 x 1000BaseSX MM SFP LC
	4 dry contact, current loop inputs
	4 relay switch output
	Fail Safe Relay
	VMS Server Software, 2 VMS Client Licenses

PS - Power Supply Option	
HI	100-264VAC/100-300VDC
24	24VDC (20-30VDC)
48	48VDC (36-60VDC)

S1 - Camera Input Module	
4C01	4x 10/100TX Port IP Camera Input Card, RJ45 Interface
4LC1	4x 100FX Port IP Camera Input Card (LC, Multimode, 1300nm)

PTZ1 - Number of Connected Cameras	
X	No IPTZ1013
1	1 - IPTZ1013 with wall mount arm and 45ft (15m) Cat5 cable
2	2 - IPTZ1013 with wall mount arm and 45ft (15m) Cat5 cable

PTZ2 - Number of Connected Cameras	
X	No IPTZ1016
1	1 - IPTZ1016 with wall mount arm and 45ft (15m) Cat5 or fiber optic cable
2	2 - IPTZ1016 with wall mount arm and 45ft (15m) Cat5 or fiber optic cable

S2 - WAN Interface	
XXX	No Cellular Router
CM	Cell Modem in Junction Box (Multi-Carrier 4G LTE Cellular Router)

Accessories	
CAMPOLEMNT01	Pole mount kit for PTZ cameras
CJBPOLEMNT04	Pole mount kit for junction box
IPTZ1013-CL45	45ft (15m) cable extension for IPTZ1013
IPTZ1016-CL90C	90ft (30m) cable for IPTZ1016 - copper
IPTZ1016-CL90F	90ft (30m) cable for IPTZ1016 - fiber optic

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All specifications in this document are subject to change without notice.