CamVu
IP PTZ

The CamVu IP PTZ Dome adds precision dome control to the CamVu Series. Contained within a vandal resistant housing the CamVu IP PTZ Dome offers flexible camera module options up to 36x optical zoom.

REMOTE CAMERA CONFIGURATION

The CamVu IP PTZ Dome provides unrivalled integration with the latest generation of Dedicated Micros DVRs, NVRs and Video Servers, providing remote camera configuration and commissioning features directly from the DVR. Features such as telemetry options, camera settings (white blance, exposure, colour/brightness, cut filter control, shutter speed etc.), presets, patrols, privacy masking and event management can all be configured directly from the Video Servers Configuration interface – removing the need for multiple configuration screens and site re-visits and saving valuable time during installation and commissioning.

ON-SCREEN TELEMETRY CONTROL

The operators experience of using a CamVu IP PTZ Dome is greatly enhanced with the inclusion of on-screen telemetry control features such as **Point&***Go* and Absolute Positioning. With **Point&***Go* users are able to maintain Pan & Tilt control of the CamVu IP PTZ Dome simply by clicking an area of the screen - the camera will instantly respond, centrally positioning the selected area. Ideal for tracking movement through a scene and perfect for reducing the control latency typically associated with IP PTZ dome control. Absolute Positioning utilises the on-screen map facility to allow an operator to, in a single mouse click, select a camera and send it to view an area of the site.

VANDAL RESISTANT

Designed for installations where cameras could be susceptible to deliberate or accidental damage, or where they are exposed to harsh environmental conditions such as dust, the CamVu Vandal Resistant domes are built from impact resistant aluminium constructed to an IP66 rating.

CLOSED IPTV

Closed IPTV is a hardend management layer that brings all the benefits and simplicity of an analogue CCTV system to IP networks. The installation of Closed IPTV is just like setting up an analogue CCTV system, just plug the cameras in, power up and the system is ready to go. No further configurations are required. Sophisticated and dependable network security can be achieved with a single click.

LOW LIGHT PERFORMANCE

The 28x variant of CamVu IP PTZ Dome provides exceptional low light resolution (0.25 lux @F1.35) in real-time. This performance allows colour images to be produced in dimly lit scenes and is ideal for installations require night time monitoring or IR illumination.

EASY INSTALLATION & MAINTENANCE

The CamVu IP PTZ Dome can be combined with a wide range of brackets and attachments for installing on various buildings and free standing structures such as poles. The inclusion of a lanyard for greater safety whilst installing and the ability to set up the camera using an IR Remote control & locally connected monitor makes the CamVu IP PTZ Dome quick and easy to install and maintain.

NETVU CONNECTED

With NetVu Connected products users can seamlessly integrate Video Servers, Cameras & Domes, Management Systems, mobile viewing devices and video walls together without the costly impact of significant integration time. A shared user interface helps minimise operator training whilst powerful features such as Direct configuration of PTZ Cameras and Domes from connected DVRs helps reduce installation time providing benefits to both end user and installer/integrator.

FEATURES

- Outdoor IP PTZ Dome
- 18x, 28x & 36x optical zoom options
- Day/Night & WDR features for improved image quality in varying lighting conditions
- Mosaic privacy zones provide movement without exposing detail in masked areas
- Transmit multiple simultaneous streams in any combination of MPEG-4, H.264 and JPEG formats and at varying qualities, on demand, for remote viewing of both live and locally recorded video
- **Trans***Coding* engine transcodes recorded footage to MPEG-4, H.264 or JPEG for streaming, irrespective of its originally recorded format
- Vandal resistant hemisphere and housing with IP66 rating
- Closed IPTV – easy to install, safe and secure IP video solution
- Remote configuration from NetVu Connected Video Servers

- On-screen telemetry control with **Point&***Go* and Absolute Positioning
- **Multi***Mode* Recording - Dynamically-switchable resolution, record-rate & compression (MPEG-4/H.264/JPEG) settings
- On-board storage (Integrated Camera Recording) and full enterprise video server within the camera
- Compatible with a wide variety of mounting brackets and accessories
- Quick Mount release for easy installation
- Position and adjust the IP camera using a local monitor output
- Setup camera using an IR remote and locally connected monitor
- Uses the latest powerful Chipwrights DSP to minimise power consumption and provide features such as analytics, **Multi***Mode*, **Trans***Coding* and multiple image streams
- 4 Year Warranty

NetVu CONNECTED   DEDICATED MICROS   Closed IPTV

TECHNICAL SPECIFICATION

CAMERA SPECIFICATIONS

Image Sensor: Sony Ex-View HAD CCD E-Series (18x, 36x)
Sony Ex-View HAD CCD 2 E-Series (28x)

Video Processor: SoC DSP (CW5631)

Horizontal Resolution: 550TVL (PAL/NTSC)

Sensitivity: 18x - 0.7lux (F1.4, 50IRE), 0.003lux Colour / 0.0004lux Mono (F1.4, 1/1)
28x - 0.25lux (F1.35, 50IRE), 0.0001lux Colour / Mono (F1.4, 1/1)
36x - 1.4lux (F1.6, 50IRE), 0.004lux Colour / 0.0004lux Mono (F1.6, 1/1)

WDR: Available on 18x & 36x Models

Lens: 18x – 4.1 to 73.8mm (F1.4 to F3)
28x – 3.5 to 98mm (F1.35 to F3.7)
36x – 3.4 to 122.4mm (F1.6 to F4.5)

Zoom (Optical/Digital): 18x/12x, 28x/12x, 36x/12x

Angle of View: 18x – 2.8° (tele) to 48° (wide)
28x – 2.1° (tele) to 55.8° (wide)
36x – 1.7° (tele) to 57.8° (wide)

Focus: Automatic with option for minimum distance

Iris Control: Automatic & Manual

Shutter Speed: 1/1s to 1/10,000s

VIDEO SPECIFICATIONS

Compression: JPEG, H.264 and MPEG-4. Multiple simultaneous streams of all.

Output Resolution: 4CIF, 2CIF, CIF, QCIF

Image Streaming: 25pps@4CIF / 30pps@4CIF (PAL/NTSC).

Multi-streaming: Multiple simultaneous streams in any combination of MPEG-4, H.264 and JPEG formats to viewers on demand for both recording, live and replay video.

Trans*Coding*: Transcode recorded footage to MPEG-4, H.264 or JPEG for streaming to remote users. Each stream can be tailored to suit the viewer's bandwidth requirements and can be dynamically changed without the need to stop and then restart the stream. This operation is carried out without affecting the original recording.

Balanced Video Output: (PAL / NTSC) live display, initially operational for 10 minutes (user configurable) to enable camera focusing / configuration. Video output can also be used as part of a media display or emergency messaging capability.

Integrated Camera Recording (ICR): ICR combines recording capability and a full enterprise video server within the camera. Record camera footage at the unit as well as any associated Video Server. An integrated Micro SD card provides local recording capability whilst ATA over Ethernet (AoE) protocol provides highly-secure point-to-point transfer of video files to separate, remote, storage devices for backup and longterm archiving. Enables a tiered storage architecture that ensures no single point of failure.

Image Control: Camera Title, Lens Select, AWB, Electronic Iris, Exposure Level, Flip/Mirror Video, Sharpness Control

Image Masking: Privacy Mask 24 Sectors, Mosaic Masking 24 Sectors

INTEGRATION SPECIFICATIONS

Application Support: Web Server, IE 5.5 / Firefox 2.0 Web browser or above, Java via Dedicated Micros SDK

NetVu ObserVer: Dedicated Micros NetVu ObserVer video management software allows seamless viewing and control of live and recorded images from any NetVu Connected product (IP or analogue) in a single interface. The ability to view multiple sites simultaneously makes management of any security installation efficient. The inclusion of RVRC (ARC) features such as EDP, event characterisation and report generation make NetVu ObserVer ideal for remote monitoring of multiple sites. (Supplied with Product, Windows, Apple Mac & Linux versions available)

Alarms & Relays: Optional, external, module for alarm inputs. 4 alarm inputs and 1 relay output. Can be located up to 50 meters from the domes. Various mounting options are available.

NETWORK & CONFIGURATION SPECIFICATIONS

Network Support: DCCP, DHCP, HTTP, HTTPS, IPv4, SMTP, Bonjour, ICMP, DNS, NTP, TCP, UPP, UDP, ICMP, DHCP, ARP, RTP, Telnet, FTP, AoE, SNMP, ZeroConf

Web Page Configuration: Simple Web page configuration will allow the following functions to be configured: Camera setup, Manual update of viewing profiles, Network and Alarm settings.

Closed IPTV: Forms part of a simple and secure IP security system (when deployed within a Closed IPTV system).

Direct Camera Configuration: Directly configure from the associated NetVu Connected Video Server. In addition, when used within a Closed IPTV system, default settings (such as streaming rate, resolution, aspect ratio, telemetry, lens configuration etc.) can be automatically assigned to the camera from the DVR/NVR.

GENERAL SPECIFICATIONS

Presets & Patrols: 99 Presets / 4 Patrols with 32 positions

Telemetry Protocol: DM IP

Camera Movement: 0.05° to 300° / sec max. (both axes)

Language Options: English, English (US), Spanish, Spanish (Americas), French, Italian, German, Russian, Czech, Danish, Finnish, Norwegian, Swedish, Dutch, Polish

Enclosure/Finish: Pressure Die-Cast Aluminium / Polyester Powder Coated BS48000 00-A-01, IP66 rating. Optically correct Polycarbonate hemisphere

Connections: RJ45 Connector for Ethernet 10/100BaseT

Measurements (Dome Head): Radius 206mm (8.1in), H240mm (9.4in)

Weight (Dome Head): 3.9kg (8.6lb)

Power: PoE only, consumption 20W - supplied seperately

PoE: IEEE 802.3-2008. End span and bridging injectors supported. Supplied with a PoE injector to allow power to be applied to the connecting Ethernet cable without the need for a PoE enabled network switch. This allows 48V power (supplied separately) to be provided down the line to the camera on the same cable that is used for data transmission.

Operating Temperature: -30° to +50°C (-22° to 122°F).

Warranty: 4 Years

PART CODES

Modular System: The product is supplied in a modular form. Customers are advised that they will need to order a dome, cable, interface module and any brackets and mounting options required. For example:

Dome + **Cable** + **Module** + **Bracket**
(e.g. DM/CV/EIP18P) (e.g. DM/OD/3M) (e.g. DM/OD/IFACE/B) (e.g. DM/BKT-CM-WALL)

Part Code	Description
DM/CV/EIP18P	CamVu Ext. PTZ 18x D/N IP POE PAL
DM/CV/EIP28P	CamVu Ext. PTZ 28x D/N IP POE PAL
DM/CV/EIP36P	CamVu Ext. PTZ 36x D/N IP POE PAL
DM/OD/ALM/IP/A	PTZ IP Alarm Module Wall Mount
DM/OD/ALM/IP/B	PTZ IP Alarm Module Standard
DM/OD/IFACE/A	PTZ Interface Module Wall Mount
DM/OD/IFACE/B	PTZ Interface Module Standard
DM/OD/BOXMOUNT	Adapter for mounting Interface & Alarm Module to pole
DM/BKT-CM-WALL	Cable managed PTZ/Dome Wall Bracket
DM/BKT-ADAPT	Corner mount adapter for PTZ/Dome
DM/BKT-PL-4590	Pole adapter 45-90mm
DM/BKT-PL-90130	Pole adapter 90-130mm
DM/OD/0M4-90	0.4M right angle dome cable
DM/90004	Snowdrop mount for PTZ domes
DM/OD/3M	3m straight dome cable
DM/OD/10M	10m straight dome cable
DM/OD/25M	25m straight dome cable
DM/90046	Pendant mount 150mm
DM/90003	Pendant mount 250mm
DM/90012	Pendant mount 500mm
DM/90013	Pendant mount 1000mm
DM/90014	Pendant mount 1500mm
DM/CSD/TMR	Internal tile mount for false ceiling
DM/90001	External tile mount/soffit for false ceiling
DM/90006	Tile mount for solid ceiling

Add /N at end of Dome pin code to enable default output and configuration to be applied for US market.

MKT-CMVUPTZ-D-001E

DEDICATED MICROS

AN AD GROUP COMPANY

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