CamVu
HyperDome

With Integrated Camera Recording

Dedicated Micros' CamVu HyperDome comprises a Wide Dynamic Range (WDR) sensor in a vandal resistant mini-dome housing with unrivalled network capabilities and NetVu Connected functionality.

VANDAL RESISTANT

Designed for installations where cameras could be susceptible to deliberate or accidental damage, or where they are exposed to environmental conditions such as water spray and dust, the CamVu Hyperdome is built from impact resistant aluminium constructed with a tough polycarbonate bubble to an IP66 rating

INTEGRATED CAMERA RECORDING (ICR)

Dedicated Micros unique ICR concept combines recording capability and a full enterprise video server within the camera. Achieving fail safe, decentralized recording and video management, ICR reduces the 24/7 dependency on high bandwidth network infrastructure and minimises the associated maintenance costs.

HYPERD TECHNOLOGY

Perfect for reception and entrance areas, the CamVu HyperDome correctly exposes shadows and highlights simultaneously, without any under, or over exposure, providing unparalleled picture quality, even in difficult lighting environments. It allows details to be clearly seen, even when backlit. HyperD Technology also provides greater accuracy in colour rendition and reduces image noise levels.

MULTIPLE, SIMULTANEOUS VIDEO STREAMS

Dedicated Micros' unique Visual Signal Processor (ViSP) allows the CamVu HyperDome to transmit multiple simultaneous MPEG-4 and/ or JPEG images to any number of associated NetVu Connected devices for image viewing and recording. Each stream can be tailored to suit the viewer's available bandwidth.

FEATURES

- Vandal resistant, IP mini-dome with award winning HyperD Technology and unbeatable Wide Dynamic Range (WDR)

- HyperD Technology produces perfect pictures in areas of high contrast, e.g. reception / entrance areas

- Integrated Camera Recording and full enterprise video server within camera

- Up to 4CIF resolution, 480TVL, 25pps

- 3.8-9.5mm vari-focal direct drive F1.2 lens

- Vandal resistant, die cast aluminium body and polycarbonate hemisphere

- Suitable for indoor or outdoor use

- Impact tested to BS EN 60068-2-75:1997

- 3-axis GyroView set-up with 180° tilt and 360° pan adjustment allows dome to be wall or ceiling mounted

- Transmission of multiple, simultaneous video streams in MPEG-4 and JPEG format enables multiple users to view video streams at the settings they require

- Power over Ethernet (PoE) / 12Vdc as standard

- **Analytics**Capable - enables analytics solutions to be deployed on your CCTV system

- **Multi**Mode Recording - Dynamically-switchable resolution, record-rate & compression (MPEG4/JPEG) settings

- Local analogue test monitor output for use when positioning and adjusting the camera's field of view and focus

- Web server for remote configuration of camera features

- Uses the latest Chipwrights ViSP to minimise power consumption and heat build up

NetVu CONNECTED   DEDICATED MICROS

SPECIFICATION

IMAGER
1/3" Digital Image Sensor

VIDEO PROCESSOR
DPS™ technology

EFFECTIVE PIXELS
720 (H) x 540 (V)

SENSITIVITY
1 lux for usable picture 40IRE with AGC on, lens at F1.2

HORIZONTAL RESOLUTION
480TVL

OUTPUT RESOLUTION
QCIF, CIF, 2CIF, 4CIF

COMPRESSION
JPEG and MPEG-4, Multiple Simultaneous streams of either to different viewers

STREAMING RATE
Maximum 25pps @ 4CIF

SIGNAL TO NOISE RATIO
Greater than 50dB (AGC off)

DYNAMIC RANGE
95dB typical, 120dB max

AUTO WHITE BALANCE
2500K ~ 9500K; Pro: 2800K~6500K; Wide 2500K-9500K

AGC
Digital

BACKLIGHT COMPENSATION
Automatic configuring

GAMMA CORRECTION
0.45

SYNCHRONISATION
Internal

ALARMS
2 alarm inputs via a 4 way connector and 1 relay output via a 2 way connector (available in future software release)

AUDIO
1x audio input (mono) – 3.5mm jack, 47kΩ input impedance
1x audio ouput (mono) – 3.5mm jack, 47kΩ input impedance
(Future software release)

LENS
3.8-9.5mm, DC iris, F1.2

ORIENTATION
3 axis GyroView setup – camera can be wall or ceiling mounted

COMPATIBLE DVRs
DV-IP Server, DV-IP HD, DV-IP RT, HighVu Excel, DS2, BX2, SD Advanced, TransVu (latest generation)

NETWORK SUPPORT
DCCP, DHCP, ICMP, TCP, UPP, IP, ARP, RTP, Telnet, FTP and SNMP

INTEGRATED CAMERA RECORDING (ICR)
Option to record camera footage at the unit as well as any associated DVR or Video Server. An integrated Micro SD expansion port provides local recording capability whilst ATA over Ethernet (AoE) protocol provides highly-secure point-to-point transfer of video files to a separate, remote, storage device for backup and long-term archiving. Enables a tiered storage architecture that ensures no single point of failure.

DATA CONNECTIONS
Ethernet: 10/100 BaseT RJ45 Connector
Storage: SD port for additional pre-alarm storage (future software upgrade)
AoE support for localised external video storage

WEB PAGE CONFIGURATION
Simple webpage configuration will allow the following functions to be configured; Camera setup, Manual update of viewing profiles, Network, Audio and Alarm Settings

SUPPORT
Applications: NetVu ObserVer, NetVu Console Mobile
Brower: IE 5.5 / Firefox 2.0 and above
Developer: Java via Dedicated Micros SDK

POWER
Voltage: DC 12V -10% + 15%
Consumption: 12Vdc, 560mA

POWER OVER ETHERNET
IEEE 802.3-2008. End span and bridging injectors supported

POWER INPUT CONNECTOR
2-way terminal connector (DC), or via RJ45 (PoE)

WEIGHTS, MEASURES & MATERIALS
Dimensions: HxD 104x148mm (4 1/8" x 5 7/8")
Weight: 1.18kg (41.6oz)
Bubble Material: Lexan Polycarbonate
Base Material: Die cast aluminium LM25

ENVIRONMENTAL
IP Rating: IP66
Operating Temperature: -10 to +50°C (14 to 122°F)
Operating Humidity: 20% to 80% relative humidity, non condensing
Storage Temperature: -10 to +70°C (14 to 158°F)
Storage Humidity: 20% to 90% relative humidity, non condensing

WARRANTY
2 Years

AVAILABILITY
Available now, directly from Dedicated Micros* – please contact Dedicated Micros Customer Service team for further information.

Note: *Subject to approval and minimum order quantity.*

Model Code	Description
DM/CMVU-VHYPER	Vandal resistant dome, 1/3" DPS, WDR, 12Vdc / PoE
DM/CMVU-VHYPERN	Vandal resistant dome, 1/3" DPS, WDR, 12Vdc / PoE NTSC resolution
DM/VS-PSU15W-EXT	Power adaptor 100-240Vac, 12Vdc@1.25A output
DM/WM-6A-EC/IEC	European mains lead for PSU
DM/WM-6A-UKC/IEC	UK mains lead for PSU
DM/WM-6A-US/IEC	US mains lead for PSU
DM/ICE-CAMKIT	Camera setup kit

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MKT-CMVUHD-D-001E