CamVu 500

The CamVu500 is the latest addition to Dedicated Micros range of CamVu IP Cameras. Providing excellent low light, performance the CamVu500 can transmit and record images in real-time and is designed for Dedicated Micros next generation of video surveillance - Closed IPTV.

EXCELLENT LOW LIGHT PERFORMANCE

The CamVu500 uses a 1/4" CMOS progressive scan sensor that provides exceptional low light resolution (<0.3 lux, 40IRE @ F1.2). This incredible performance allows colour images to be produced in dimly lit scenes.

MULTIPLE, SIMULTANEOUS VIDEO STREAMS

Dedicated Micros' unique Visual Signal Processor (ViSP) allows the CamVu500 to transmit multiple simultaneous MPEG-4 and/ or JPEG images to any number of associated NetVu Connected devices for image viewing. Each stream can be tailored to suit the viewer's bandwidth requirements.

CLOSED IPTV

The CamVu500 works seamlessly within Dedicated Micros award winning Closed IPTV solution.

The award winning Closed IPTV makes deploying an IP Video system safe, secure and simple. By combining patent-pending innovation with zeroconf networking technology Closed IPTV removes the need to allocate IP addresses to IP cameras. Closed IPTV is completely deterministic, automatically discovering and assigning IP cameras to network ports as required. This ground breaking solution provides a secure answer to video over IP networks - requiring no prior knowledge of IP network configurations.

ANALYTICS CAPABLE

As part of our growing range of AnalyticsCapable products, the CamVu500 is able to contain the latest analytics solutions from Dedicated Micros including Object Left/Removed Detection Tripwire and Counting Tripwire, all locally hosted on the camera.

FEATURES

- Colour IP Camera with excellent low light sensitivity
- Integrated Camera Recording and full enterprise video server within camera
- 0.3 lux F1.2 40 IRE
- Can form part of a Closed IPTV system
- Transmission of multiple, simultaneous video streams in MPEG-4 and JPEG format enables multiple users to view video streams at the settings they require
- AnalyticsCapable - enables analytics solutions to be deployed on your CCTV system
- Works with any DM DVR that supports IP Streaming & Recording
- MultiMode Recording - Dynamically-switchable resolution, record-rate & compression (MPEG-4/JPEG) settings

- Compatible with standard 1/3" format CS mount, direct drive iris lenses
- Web server for remote configuration of camera features
- Power over Ethernet (PoE) / 12Vdc as standard
- Local analogue test monitor output for use when positioning and adjusting the camera's field of view and focus
- Can be used externally in a compatible housing such as a DM/2010
- Uses the latest Chipwrights ViSP to minimise power consumption and heat build up

SPECIFICATION

IMAGER
1/4" CMOS progressive scan

VIDEO PROCESSOR
SoC DSP

EFFECTIVE PIXELS
640 (H) x 480 (V)

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

OUTPUT RESOLUTION
QCIF, CIF, 2CIF, 480p

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

STREAMING RATE
Maximum 25pps @ VGA (single connection to camera)

SIGNAL TO NOISE RATIO
Greater than 50dB

DYNAMIC RANGE
50dB

AUTO WHITE BALANCE
2500K ~ 9500K

AGC
Digital

BACKLIGHT COMPENSATION
Automatic configuring

GAMMA CORRECTION
0.45

SYNCHRONISATION
Internal

COMPOSITE VIDEO OUTPUT
1Vpk-pk into 75Ohm operational for 10 minutes from startup for on-screen network settings and lens setup

LENS OPTIONS
C/CS with back focus adjustment ring
Direct drive DC iris via 4-pin square type socket on the side of the camera

ORIENTATION
1/4" 20 UNC mounts on top and bottom

COMPATIBLE DVRs
SD Advanced, SD Excel, DV-IP Server, DV-IP HD, DV-IP RT, DS2

DATA CONNECTIONS
Ethernet: 10/100 BaseT RJ45 Connector
Storage: Micro SD slot for recording. Supplied with 2GB class 4 card as standard
AoE support for localised external video storage

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

WEB PAGE CONFIGURATION
Simple Web page configuration will allow the following functions to be configured: Camera setup, Manual update of viewing profiles, Network, Audio and Alarm settings

REAL TIME CLOCK
Battery backed

SUPPORT
Applications: NetVu ObserVer
Browser: IE 5.5 / Firefox 2.0 and above
Developer: Java via Dedicated Micros SDK

POWER
Voltage: DC 12V -10% + 15% / AC 24V -15% +15% @ 50-60Hz
Consumption:4.5W

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

PoE INJECTOR
The camera is 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 power to be supplied to the camera on the same cable that is used for data transmission.

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

WEIGHTS, MEASURES & MATERIALS
Dimensions: 123 (L) x 60 (H) x 52 (W) (mm)
Weight (without lens): 0.4kg (14oz)
Material: Cast Zinc lens mount; zintec case; V0 ABS trim

ENVIRONMENTAL
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

Model Code	Description
DM/CMVU500	1/4", 480p, DVIP,Colour,12-24V/PoE
DM/CMVU500/N	1/4", 480p, DVIP,Colour,12-24V/PoE NTSC
DM/CMVU500/P	1/4", 480p, DVIP,Colour,PoE only
DM/CMVU500/PN	1/4", 480p, DVIP,Colour,PoE only NTSC
VS-PSU15W-EXT	Power adaptor 100-240Vac, 12Vdc@1.25A output
WM-6A-EC/IEC	European mains lead for PSU
WM-6A-UKC/IEC	UK mains lead for PSU
WM-6A-US/IEC	US mains lead for PSU
DM/ICED-CAMKIT	Camera setup kit

MKT-CMVU500-D-002E