Oracle

The Oracle PTZ Dome provides a choice of analogue or IP connectivity and offers both flexible camera module options up to 36x optical zoom and a wide array of mounting options brackets and accessories.

HYBRID ANALOGUE/IP CONNECTION

The redesigned Oracle PTZ Dome now includes the choice of either an analogue or IP connection to the associated security system. This flexibility allows the installation of an analogue system to be upgraded at any point to IP without needing to replace the dome bracket or cable.

REMOTE CAMERA CONFIGURATION

The Oracle 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 an Oracle 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 Oracle PTZ Dome simply by clicking an area of the screen - the camera will instantly respond, centrally positioning the selected area. 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 outdoor Oracle PTZ Domes are built from impact resistant aluminium constructed to an IP66 rating.

CLOSED IPTV

Closed IPTV is a hardened 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. (*When Oracle is used as an IP Camera*)

LOW LIGHT PERFORMANCE

The 28x variant of Oracle 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 Oracle 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 Oracle 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

- Hybrid Analogue/IP PTZ Dome
- 18x, 28x & 36x optical zoom options
- Indoor and outdoor dome 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

- **Multi***Mode* Recording - Dynamically-switchable resolution, record-rate & compression (MPEG-4/H.264/JPEG) settings
- Remote configuration from NetVu Connected Video Servers
- On-screen telemetry control with **Point&***Go* and Absolute Positioning
- 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 and secure lock 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 Super HAD CCD E-Series (18x Indoor)
Sony Ex-View HAD CCD E-Series (18x, 36x Outdoor)
Sony Ex-View HAD CCD 2 E-Series (28x Outdoor)

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 external 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

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

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

GENERAL SPECIFICATIONS

Telemetry Protocol: DM IP, DM RS485, Pelco-P, Pelco-D (DM UTC, Pelco-C and BBV-C available through the Analogue Alarm Modules)

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: Indoor Dome - Injection Moulded Ronfalin (VE820 ABS)/ RAL9002
Outdoor Dome - Pressure Die-Cast Aluminium / Polyester
Powder Coated BS48000 00-A-01, IP66 rating
Optically correct Polycarbonate hemisphere

Connections: RJ45 Connector for Ethernet 10/100BaseT, Balanced Twisted Pair (composite output available via Analogue Alarm Box)

Mounting Options: Range of brackets and mounts available

Measurements Dome Head): Indoor Dome - Radius 189mm (7.4in), H250mm (9.8in)
Outdoor Dome - Radius 206mm (8.1in), H240mm (9.4in)

Weight (Dome Head): Indoor Dome - 2.2kg (4.8lb), Outdoor Dome - 3.9kg (8.6lb)

Measurements (PSU including connectors): 230x173x97 LxWxHmm (9.1x6.8x3.8 in)

Weight (PSU): 1.4kg (3.1lb)

Power (Indoor Dome) : 24Vac/dc,18W / PoE, 20W - supplied seperately

Power (Outdoor Dome) : 24Vac/dc from 230V PSU,50W - supplied seperately

PoE: IEEE 802.3-2008. PoE injector supplied with product.

Operating Temperature: Indoor Dome 0° to +50°C (32° to 122°F)
Outdoor Dome -30° to +50°C (-22° to 122°F)

Warranty: All products supplied with a standard 1 year warranty.
To activate any applicable extended warranty period, please contact Customer Services:

UK: customerservices@dmicros.com
US: custsupport@dedicatedmicros.com
EU: infobox@dmicros.com

A list of current extended warranty periods is available on our website:

www.dedicatedmicros.com/warranty

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 sites. (Supplied with Product, Windows, Apple Mac, Linux versions available)

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

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

VIDEO SPECIFICATIONS

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.

TransCoding: 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.

Video Output: Video is output as a balanced line over a twisted pair connection. This can be converted to a coaxial unbalanced connection with lift and gain in the optional alarm module. The video output can either be used as the primary output when used as an analogue dome or as an output for configuration/testing when used as an IP dome. The output can also be used as a media or emergency messaging display.

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 at 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

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 used as an IP Camera*)

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 NVR/ DVR.

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PART CODES

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

Dome + **Cable** + **PSU** + **Module** + **Bracket**
(e.g.DM/OD/EHY18L)　(DM/OD/0M4-90)　(e.g.DM/OD/PSU)　(e.g.DM/OD/IFACE/A)　(e.g.DM/BKT-CM-WALL)

DM/OD/IHY18B	Oracle Int. PTZ 18x POE/24V PAL	DM/BKT-ADAPT	Corner mount adapter for PTZ/Dome
DM/OD/EHY18L	Oracle Ext. PTZ 18x D/N 24V PAL	DM/BKT-PL-4590	Pole adapter 45-90mm
DM/OD/EHY28L	Oracle Ext. PTZ 28x D/N24V PAL	DM/BKT-PL-90130	Pole adapter 90-130mm
DM/OD/EHY36L	Oracle Ext. PTZ 36x D/N 24V PAL	DM/OD/0M4-90	0.4m right angle dome cable for use with DM/BKT-CM-WALL
DM/OD/PSU	Oracle PTZ PSU	DM/OD/3M	3m straight dome cable
DM/OD/PSU/ALMAN	Oracle PTZ PSU with Analogue Alarms	DM/OD/10M	10m straight dome cable
DM/OD/PSU/ALMIP	Oracle PTZ PSU with IP Alarms	DM/OD/25M	25m straight dome cable
DM/OD/IFACE/A	PTZ Interface Module Wall Mount	DM/90004	Snowdrop mount for PTZ domes
DM/OD/IFACE/B	PTZ Interface Module Standard	DM/90046	Pendant mount 150mm
DM/OD/ALM/IP/A	PTZ IP Alarm Module Wall Mount	DM/90003	Pendant mount 250mm
DM/OD/ALM/IP/B	PTZ IP Alarm Module Standard	DM/90012	Pendant mount 500mm
DM/OD/ALM/AN/A	PTZ Analogue Alarm Module Wall Mount	DM/90013	Pendant mount 1000mm
DM/OD/ALM/AN/B	PTZ Analogue Alarm Module Standard	DM/90014	Pendant mount 1500mm
DM/OD/BOXMOUNT	Adapter for mounting interface box to pole	DM/CSD/TMR	Internal tile mount for false ceiling
DM/BKT-CM-WALL	Cable managed PTZ/Dome Wall Bracket		

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

MKT-ORC-D-005E

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