

# Datasheet



# SmartVu 1.3 Megapixel Box Camera

Part of Dedicated Micros HD IP video surveillance cameras, the updated SmartVu 2015 range features the box camera with 1/3" 1.3MP Aptina CMOS AR0130 sensor.

Ideal for designing a cost effective HD solution combined with ease of install when coupled with any NetVu connected product, the SmartVu cameras are perfectly complimented by DM's latest, enhanced SD Advanced DVR/NVR portfolio. When configured with the SD Advanced NVR the SmartVu series contains a powerful suite of enterprise-scale capabilities protected by DM's award winning Closed IPTV.

When configured with the SD Advanced NVR the SmartVu series contains a powerful suite of enterprise-scale capabilities protected by DM's award winning Closed IPTV, making the deployment of an IP video solution, safe, simple and secure.

The SmartVu 2015 range also feature DVR/NVR controlled configuration increasing both time and cost saving activities while ensuring the highest quality IP installation.



## Features & Benefits

**1280x720p HD Resolution**

**Alarm Handling (With SD Advanced DVR/NVR)**

**MPEG4 / JPEG / H.264 Compression**

**Closed IPTV – Via Switch**

**Remote Codec Capability**

**MultiMode – Save Up To 50% On Recording**

**Power Over Ethernet**

**Up to 10 Streams Generated**

**IP65 Rated**

**True Day/ Night With ICR Filter**

**Privacy Masking**

**Video Motion Detection (VMD)**

## Ordering Information

Part Number	Description
DM/SV720BX	SmartVu Box Camera 720, No Lens
DM/LEN-M13VM308	1/3" CS Mount Manual Megapixel Lens (Sold Separately)

## Dedicated Micros Technology Benefits

### **NetVu Remote Codec**

When utilised with a NetVu connected server each camera can work as a remote codec. This is the most efficient means of connection to a DM Closed IPTV server as rather than simply request a stream from the IP camera, and then recode the stream as necessary the remote codec format makes individual requests for streams of frames directly from the codec in the camera.

The camera therefore becomes an integral extension to the DVR/NVR distributing the processing requirements allowing a greater number of cameras to be connected and managed from one unit as stream communication becomes more efficient, reducing potential bottlenecks.

### **MultiMode Recording And Streaming**

Allows an event trigger from VMD, analytics and alarms to affect an instantaneous change in bit rate, frame rate and resolution. Full HD streams are generated when needed, e.g. for identification, otherwise standard definition streams save up to 50% of the user's storage capacity.

### **Ease Of Installation**

Dedicated Micros technology removes the need for prior IT networking knowledge facilitating ease of install while ensuring the highest quality IP solution.

The updated SmartVu range offer remote zoom and auto focus meaning convenient focusing of the cameras is possible over the network, eliminating the need for physical fine tuning at each camera. Port specific auto detect and auto configure cameras using Closed IPTV

A shared user interface helps minimise operator training whilst powerful features such as direct configuration of PTZ cameras and domes from connected DVR/NVRs helps reduce installation time providing benefits to both end user and installer/integrator.

### **Customisable**

PowerScripting enables user customisation of complex, logical, alarm handling routines and integration of data from external sources. Extra value is created for the user through integration with business processes e.g. access control, building management, process control and manpower management. The result is a measurable return on investment tied in with operational process such as retail loss prevention.

### **Closed IPTV**

All DM products are underpinned by the Closed IPTV technology. This encompasses a number of features to ensure security is at the forefront of the solution.

- Trusted Endpoints (a unique secret signature that is shared with the switch and the NVR) ensure any attempt to interfere with the Closed IPTV network will trigger an immediate security alert.
- Removing access to the corporate network via an exposed endpoint (e.g. a camera)
- Restrict Multicast – No one network endpoint can gain access to video from any other cameras or endpoints on the network.
- Firewall settings – Prevents any endpoint from opening a connection to a TCP server on the network

## Mounting Options

<p><b>2010 Camera House</b></p> 	<p>DM/2010-606 = Housing with Wall Bracket for 12V-24V Operation</p>
<p><b>2015 Camera House</b></p> 	<p>DM/2010-707 = Housing with Wall Bracket for 110V-230V Operation</p> <p>DM/2015-606 = Weatherproof Housing 12-24v; Heater and Bracket</p> <p>DM/2015-707 = Weatherproof Housing 110-230v; Heater and Bracket</p>

## Technical Specification

Camera Specification	
Image Sensor	1/3" 1.3 Megapixel Progressive Scanning CMOS AR0130
Effective Pixels	1280x720p
AGC	Auto / Manual
Day/Night control	Auto
Day / Night	Auto / Color / B/W / External
S/N Ratio	>50dB
Min. Illumination	Colour Mode 0.01UX(F1.2); B/W Mode 0.001LUX(F1.2)
Compression	MPEG4, JPEG, H.264 (Up To 10 Different Streaming Profiles)
IR Distance	N/A
Interface	One 10M/100M Self Adaption Ethernet Port, RJ-45
Protocol	TCP/IP, HTTP, ICMP, SMTP, RTP, RTSP, SNMP, ARP, DDNS, DNS, PoE, P2P,802, SCTP, NTP
Lens	
Focal Length	N/A
Lens Mount	C/CS
Image Format	1/3"
Focus	N/A
Zoom	N/A
General Specifications	
Audio	N/A
Power	12V DC Terminal Input / PoE Class 2 5W
Electronic Shutter	Auto / User 1/5 - 1/50,000 ; 50/60Hz Software Selectable
Gain Control	Auto / Fixed 8~102dB
Light Compensation	BLC /HLC
Network Protocols:	HTTP, TCP/IP, UDP/IP, RTSP, FTP, PoE, NTP. Unicast And Multicast Supported.
Operating Temperature	Operating: -20°C To 60°C / Storage: -20°C To 60°C
Operating Humidity	0~90%RH (Non-Condensing)
Approvals	CE / FCC / RoHS Compliant / IP65
Product Dimensions	129 x 64 x 58.5mm
Product Weight	0.4KG
Warranty	1 year plus additional free 1 year when product registered



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