

360 Vision IP-Megadome PTZ

WORLD'S FIRST MULTI-MEGAPIXEL PTZ IP SPEED DOME

1st PTZ dome with *MPEG4* and *H.264* compression on hi-res video



All trademarks are used courtesy of registered owners. Vision/PTDome is a registered trademark of 360 Vision Technology Ltd. The manufacturer reserves the right to change specifications without notice.

HIGH DEFINITION AND PTZ 360° FAST MOVEMENT

MegaDome's main innovation makes it possible to use 1600 X 1200 resolution combined with PTZ movement, autofocus and backlight management of images coming from a moving camera. Mechanical and electrical issues are eliminated by 360 Vision's R&D group when merging Megapixel resolution video with fast and accurate PTZ movement.

HIGH DEFINITION AND MPEG4 / H.264 COMPRESSION

MegaDome is the first Megapixel **PTZ** dome to apply MPEG4 / H.264 video compression algorithm on high resolution video 1600 X 1200 pixel resolution – 2 Megapixel. The outcome is a dome that delivers high quality video at a very fluid frame rate (15 fps at maximum quality and resolution). MPEG4 / H.264 compression allows terrific savings in bandwidth and storage requirements maintaining full motion progressive scan. The compression of high resolution video is 10X to 20X more effective than standard JPEG Megapixel compression technologies in the market.

HIGH DEFINITION AND REAL-WORLD IP INSTALLATIONS

With this Megapixel PTZ dome you take advantage of high resolution video along with image quality and detail enhanced by 16x optical zoom with fast and accurate PTZ movement vital in post event reconstruction. MPEG4 / H.264 compression on high resolution video allows 360 Vision MegaDome to be installed in a real world IP environment. In a similar situation, the overall bandwidth and storage required by JPEG compression makes the desired installation impossible and cost prohibitive. Customers needing high quality video surveillance may not always have the luxury of a MultiGigabit connection to the network. Therefore, MPEG4 Main Profile algorithm H.264 provides significant savings due to the small and hi-resolution compression algorithm. The MegaDome is a high-resolution IP video surveillance camera system built cost-effectively with performance and video quality unmatched to date.

IP Megadome PTZ

- * CMOS progressive Scan sensor; High quality 2 Megapixel
- * Sensor array size 4.73mm (H) x 3.52 mm (V)
- * Sensor size Diagonal 5.7 mm (1/3,2")
- * 2.8 um x 2.8 um
- * Lens size 4.5 – 72 mm 16:1
- * Optical zoom 16x
- * Digital zoom Unlimited, client dependent
- * No. of pixels (effective) 1600 (H) x 1200 (V)
- * Light sensitivity 0.8 Lux
- * Dynamic range, 71 dB
- * Signal to noise ratio 42.3dB
- * White balance Auto tracking, manual preset
- * Backlight compensation
- * AGC/Auto Iris
- * Compression Algorithms MPEG4 Main
- * Profile: MPEG4 ES Raw, H.264 (D1 resolution), JPEG
- * Supported resolutions Configurable. Max resolution 1600x1200
- * Ethernet port 10/100 Mbit
- * Supported protocols TCP/IP (All resolutions)
- * UDP (max in D1) - RTP/RTSP (max in D1)
- * Integrated Web server
- * Processor Multimedia 720Mhz DSP
- * 200 Presets
- * 4 Tours
- * Rotation speed 0.1 - 400°/sec, 360° continuous rotation, absolute positioning
- * Variable pan speed/coverage 0.1 - 200°/sec, absolute positioning
- * Tilt coverage 90°
- * Auto homing; goes to original preset or tour after prescribed time (menu)
- * Power Supply 24Vac 36VA T1.5 fuse for dome
- * Several Mounting options
- * Operating temperature -10 to 50 °C
- * Relative humidity 8 - 90% not condensing
- * Weight 0.5 Kg
- * Dimensions 260W x 260D x 261H mm
- * Certification CE, IP 66



HTML interface

The HTML interface enables 360 Vision and any third party matrix, transmission or DVR products to remotely access the functionality and set up configuration of the Vision/IPDome. Remote set up features include "remote power down", "gain and lift" and all other video adjustments. First level maintenance can therefore be achieved remotely, without the need for expensive site visits.

Clip2fit

The Vision/IPDome is highly ergonomic and designed for an easy 6 minute assembly at the factory. The Vision/IPDome is also quick to install on site and is easy to maintain and service.

Creative privacy zones

32 privacy zones are available per Vision/IPDome. They can be shaped on screen using a PC mouse. Preset positioning is accurate meaning privacy zones do not have to be oversized to avoid the risk of exposing hidden views as the Vision/IPDome pans and tilts. Menu set up allows privacy

zones to be fully blanked or shaded. Privacy zones will scale proportionally with zoom.

Quietness and accuracy

400,000 position stepper motors make the Vision/IPDome's operation extremely quiet as well as giving it a highly accurate return to preset positions.

360 Vision Technology Ltd

360 Vision Technology Ltd. (360 Vision) is a world class CCTV equipment manufacturer offering a comprehensive product range for use in new or existing security applications. Cutting edge technology and innovative design are used to provide high quality products that are easy to install, use and service.

Internal Vision/IPDome kit contents

Each VisionDome kit includes a VisionDome, pendant mount and wall mount. The Swan Neck kit includes the Swan Neck bracket. The Heritage kit includes the Heritage bracket. The Vandal Resistant kit includes the Vandal Resistant bracket.

A power supply can be added to all of the above kits as an option.

Warranty

The Vision/IPDome range is supplied with our 3 year warranty.



Tel: +1 954 385 3301, Fax: +1 954 384 8709, info@360visiontechnology.com

360 Vision Technology Ltd, Unit 7 Seymour Court, Manor Park, Runcorn, Cheshire, WA7 1SY, UK