VCL

The art of
technology by design

Orbiter Gold VIP Microsphere

The VCL range of Orbiter Gold VIP Microspheres represents a flexible solution for any type of CCTV application. Just one of the unique features of the Orbiter Gold VIP is that it can reside on a normal analogue system and at the same time deliver images onto an Ethernet network, with the added benefit of allowing network clients to share telemetry control.

All Orbiter Gold VIP Microsphere models feature three possible methods of video transmission, composite video via coaxial cabling, NVT based CAT 5 composite video transmission and Ethernet based digital video transmission.

Orbiter Gold VIP Microspheres are available with a full range of mounting options, allowing internal or external use.

Ethernet transmission is provided by state of the art video compression technology, allowing excellent performance, whilst using minimal network bandwidth. IP Multicasting helps to achieve this, where a single video stream is made available for any number of clients to connect to. The use of IP multicast means that there is a single stream of a specified bandwidth, which remains constant regardless of the number of users logged onto it. The bandwidth of the multicast stream can also be capped to a specified rate.

Socket based TCP connection is also possible for remote clients or clients not able to support IP multicast.

Access and configuration of all Orbiter Gold VIP Microspheres features is possible, allowing a fully featured network based Microsphere solution.

Client viewing and administration software are provided with all Orbiter Gold VIP Microspheres.

Features

- Flexible methods of video transmission
- 18x, 22x, 23x and 27x zoom options
- Full range of mounting options
- Multicast video stream
- Virtually unlimited network clients
- TCP socket based video connection
- Bundled viewing and administration software
- Accepts standard 24vac or 12vdc Microsphere power supplies

www.videocontrols.com

Orbiter Gold VIP Microsphere

Technical Specifications

Protocols	TCP/IP, UDP, ICMP
Address scheme	Static IP address
Image sizes	640x480, 320x240 , 160x120
Compression	Proprietary, similar to MPEG4
Image quality	Fast, normal, high, very high
Colour quality	12, 16 or 24bit
Maximum bandwidth	2Mbps
Typical bandwidth	<1 Mbps
Telemetry	VCL RS 485 TP (embedded)

Typical Image Rates (Unlimited bandwidth)

Image Size	Quality Setting	Image Rate
Small	Fast	25ips
	Normal	10-15ips
	High	6-10ips
Normal	Fast	6-10ips
	Normal	5-8ips
	High	5-7ips
Large	Fast	4-6ips
	Normal	2-5 ips
	High	1-2 ips
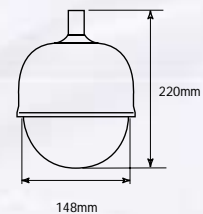
5" INTERNAL OPTIONS

220mm

148mm
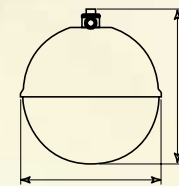
8" EXTERNAL OPTIONS

Ordering

External Units – please note that mounts are not included

PART CODE	DESCRIPTION
V8EG18CPVIP	18x zoom colour Orbiter Gold VIP Microsphere
V8EG18XPVIP	18x zoom colour / mono Orbiter Gold VIP Microsphere
V8EG22CPVIP	22x zoom colour Orbiter Gold VIP Microsphere
V8EG23DP	23x zoom colour / mono Orbiter Gold VIP Microsphere

Internal Units - please note that mounts are not included

PART CODE	DESCRIPTION
V5MG18CPVIP	18x zoom colour Orbiter Gold VIP Microsphere
V5MG22CPVIP	22x zoom colour Orbiter Gold VIP Microsphere

IP65 Certified

425mm

370 mm
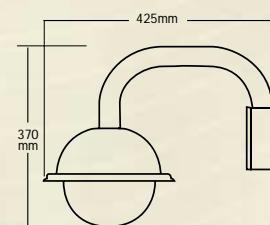
8" EXTERNAL WALL MOUNT OPTIONS

Please refer to the VCL catalogue for both internal and external mounting options

SPDMMVIP030710UK