



Features

- Fully functional PTZ dome
- IR illumination option
- Dual camera option - view and record the whole picture while zooming in on the other camera
- Integrated high performance infrared
- LEDs turn on automatically when the camera switches to B/W mode and provide full 360° pan & tilt night vision up to a distance of 100 metres
- Sony Ex-View HAD 1/4" CCD high performance camera
- 18 optical zoom, x12 digital zoom
- Vandal resistant hemisphere and housing
- Advanced privacy, preset positions & multiple tour options
- Mount options include wall, corner, ceiling, swan neck, and pendant
- Telemetry protocols: Videoswitch VXP-4, BBV (coax), PelcoD, PelcoP, Vista
- Programmable pan limits
- 2 years warranty
- Weatherproofed to IP66
- Quick mount and release
- Video lift and gain facility
- 830nm and 940nm wavelength options
- Manufactured in the UK
- Patented design

Order Codes

IR Models

Vi-D118	18:1 zoom, 830nm IR
Vi-D118D	18:1 zoom, 830nm IR, dual camera
Vi-D118L	18:1 zoom, 940nm IR
Vi-D118DL	18:1 zoom, 940nm IR, dual camera

Non-IR Models

Vi-D118X	18:1 zoom
Vi-D118DX	18:1 zoom, dual camera

Accessories

Vi-PSU-1	CMOR Dome Power Supply, IP66, 24VDC
Vi-ALM16	CMOR Dome Alarm Module, 16 inputs
Vi-B2	Wall bracket and 3m cable
Vi-B2D	Wall bracket and 3m cable for dual camera dome
Vi-B3	Pendant mount (380mm) with 4m cable
Vi-B3D	Pendant mount (380mm) with 4m cable for dual camera dome
Vi-B4	Swan neck mount with 4m cable
Vi-B4D	Swan neck mount with 4m cable for dual camera dome
Vi-B5	Corner adaptor for wall bracket
Vi-B6	Pole adaptor

Overview

The innovative patented design enables long distance IR (up to 100m with 830nm IR) to always track the dome movement ensuring full 360° pan and 90° tilt coverage. Cutting edge design enables the C-MOR® IR Dome to be extremely energy efficient whilst significantly reducing light pollution. The amount of light directed to the scene being viewed would require huge amounts of lighting using the old 'flood' approach. This means that not only is the picture and range much improved, but the C-MOR® IR Dome is greener too, using up to fifty times less energy.

Videoswitch, Ocean House, Redfields Industrial Park, Redfields Lane, Church Crookham, Hants GU52 0RD

www.videoswitch.co.uk

Tel: 01252-851510 Fax: 01252-851296 Email: sales@videoswitch.co.uk

This product is designed and manufactured to the highest standards within our ISO9000 certified quality assurance system. It is certified to meet the CE mark requirements in accordance with the EMC Directive Electromagnetic Compatibility and Low Voltage Directive. Due to a policy of ongoing product development, specifications may change without notice.



Vid50E

Videoswitch

Vi-D118 CMOR Professional IR Dome

Technical Data

Camera(s)

Camera	Sony Colour/monochrome Ex - View HAD 1/4" CCD PAL, 460TVL, 440 pixels
Colour sensitivity	0.05lux
Monochrome sensitivity	0.01lux
Optical zoom	18x
Angle of view	2.7°
Focal length	4.1 to 73.8mm (F1.4 to F3)
Digital zoom	12x

illumination

IR illumination	Parametric control of intensity
IR wavelength options	830nm (semi covert) 940nm (covert)
Night time range	100m (using 830nm illumination)

Mechanics

Pan speed	200°/sec
Tilt speed	100°/sec
Pan angle	360° continuous pan rotation
Pan limits	a left and right limit may be programmed
Tilt angle	+5 to -90
Pan/Tilt to zoom ratio	Menu programmable

Physical and Environmental

Material	Cast aluminium dome, polycarbonate hemisphere
Operating temperature	-35°C to 50°C
Environmental	IP66
Finish	Grey

Telemetry

RS485	Videoswitch VXP4, PelcoD, PelcoP, Vista
Addressing	1 to 256 DIP switch selectable (via easy access hole)
Baud rate	9600, 4800 or 2400 baud
Coax telemetry	BBV compatible

Features

Dynamic privacy zones	24 zones up to 8 displayed simultaneously
Presets	256
Preset tours	10
Resolution preset	0.1 degree
Camera titles	16 alphanumeric characters
Preset titles	16 alphanumeric characters
Video amplification	HF lift & gain, menu controlled
Video launch amplifier	0-6dB 8 steps
Password Protection	Yes
Photooff	Inbuilt
Fan	Yes
Heater	Yes
Quick mount/release	The dome hooks safely onto the mount without the need of a safety wire and is secured using a hand operated tightening wheel. A single bolt provides both quick installation of the cover and tamper protection.
Origin	Manufactured in the UK

Power

Power requirement	24VDC @ 2A
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Options

Alarm Module	VI-ALM16 (16 alarm inputs)
Power supply	VI-PSU-
Mounting options	Wall, corner, swan-neck, pendant, post
Colours	Standard colour is light grey. Black also available. Other colours available on request

Accessories

VI-PSU1 Power Supply
(with VI-AL16 Alarm module fitted)



VI-B2 Wall mount bracket



VI-B3 Pole mount



VI-B4 Swan neck mount



VI-B5 Corner adaptor



VI-B6 Pole mount adaptor



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Vsd550E

TILT-OVER SQUARE COLUMNS TPS RANGE - NEW



Design Features

1. Solid and practical designs.
2. The tilt over columns enables camera maintenance at ground level.
3. Ideal installations where health and safety requirements are paramount.
4. Maintenance and servicing, easily and safely effected by one engineer.
5. Off the shelf heights up to 8 metres.
6. Rigid structure ensures excellent stability characteristics.
7. A transferable winch unit allows multi-site servicing and leaves installation tamper proof.
8. Pocket roots available for restricted foundation locations.
9. Totally concealed cabling facility.
10. Aesthetically pleasing designs.
11. Hot dipped galvanised finish for maximum weather protection and low maintenance requirements.
12. Custom modifications and towers tailored to the customer's requirements.
13. Bespoke items available.

General Specification

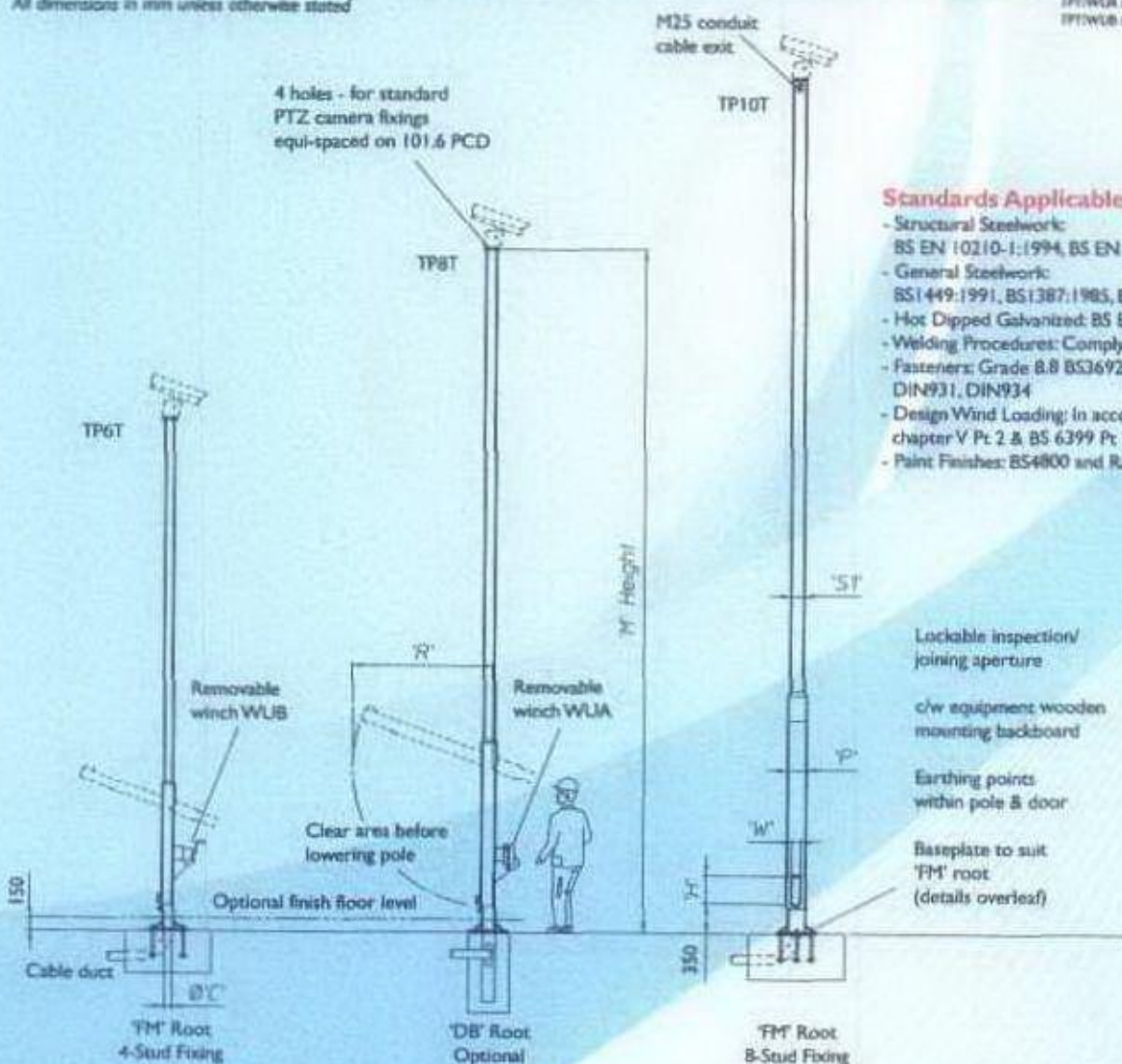
1. Standard pan and tilt fixing of 101.6 PCD.
2. Built in cable entry and exit points.
3. Equipment loading of up to 25kg.
4. Flange mounted root type FM.
5. Direct burial type root bases available.
6. Standard heights available from 4 to 12 metres.
7. Compatible with WEC adaptors, accessories and anti climbs.

Technical Specification

Model Ref.	Height 'H'	Tilting rear clearance 'R'	Pole Section 'P'	Pivot Section 'S'	Door aperture 'H' x 'W'	Cable access hole Ø'C'	Maximum equip cap'ty	Weight Kgs.	Winch Selection
TP6T	6 mtr.	1150	120x120	Ø114	325 x 105	Ø108	25Kg.	140Kgs.	WUA = WUB
TP8T	8 mtr.	1650	150x150	Ø139	325 x 105	Ø140	25Kg.	305Kgs.	WUA
TP10T	10 mtr.	2150	200x200	Ø193	325 x 105	Ø200	25Kg.	335Kgs.	WUA

All dimensions in mm unless otherwise stated

TPT/WUA Heavy Duty
TPT/WUB Light Duty



Standards Applicable

- Structural Steelwork: BS EN 10210-1:1994, BS EN 10210-2:1997
- General Steelwork: BS1449:1991, BS1387:1985, BS EN 10025:1993
- Hot Dipped Galvanized: BS EN ISO 1461:1999
- Welding Procedures: Comply with BS5135:1984
- Fasteners: Grade 8.8 BS3692:2001, BS4190:2001, DIN931, DIN934
- Design Wind Loading: In accordance with CP3 chapter V Pt 2 & BS 6399 Pt 2:1997
- Paint Finishes: BS4800 and RAL colour range

Lockable inspection/ joining aperture

c/w equipment wooden mounting backboard

Earthing points within pole & door

Baseplate to suit 'H' root (details overleaf)

Accessories & Adaptors

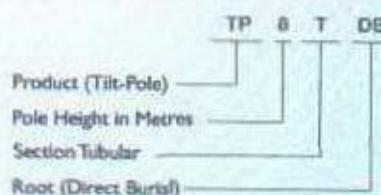
- TPT/ACB Anti-Climb Bracket
- TPT/Paint Paint to BS4800 & RAL Colours
- TPT/SDA Sweep Dome Adaptor
- TPT/SDA2 Sweep Dome Adaptor Dual
- TPT/PT1-S2 1 Pan & Tilt c/w 2 Static Adaptors
- TPT/TPTA Twin Pan & Tilt Adaptor
- TPT/3SA Triple Static Adaptor
- TPT/2SA Twin Static Adaptor
- TPT/ISA Pan & Tilt - Single Fixed

- TPT/CS150-300 Column Spacers 150mm-300mm
- TPT/TBC Telemetry Clamp Bracket
- TPT/HSD-F High Security Door Option
- TPT/DB Decorative Banding

Removable Winches

Although the WUA auto brake winch is initially more expensive, it has the versatility to cover the range of WEC products and has a quicker operating action.

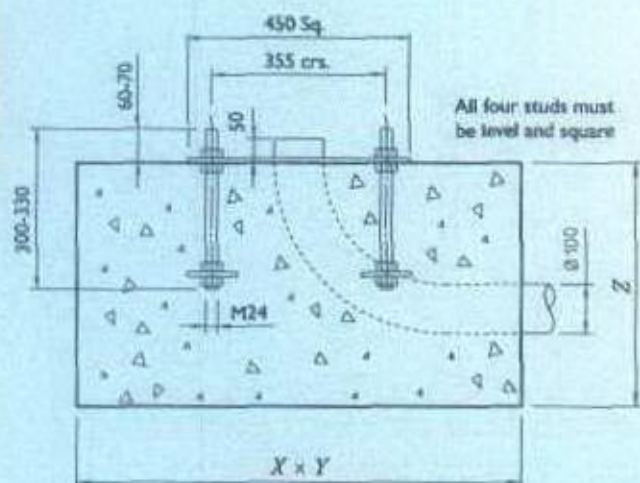
Product Ref & Ordering Information



Base and Windload Specification

Concrete Foundation Table X x Y x Z							
Model Ref	Height	Area of Country			Area of Town		
		A	B	C	A	B	C
TPaT	6m	1.0x1.0x 0.5m Dp.	1.1x1.1x 0.55m Dp.	1.1x1.1x 0.55m Dp.	1.0x1.0x 0.5m Dp.	1.0x1.0x 0.5m Dp.	1.1x1.1x 0.55m Dp.
TPbT	8m	1.2x1.2x 0.6m Dp.	1.3x1.3x 0.65m Dp.	1.3x1.3x 0.65m Dp.	1.1x1.1x 0.55m Dp.	1.2x1.2x 0.6m Dp.	1.3x1.3x 0.65m Dp.
TP10T	10m	1.4x1.4x 0.7m Dp.	1.5x1.5x 0.75m Dp.	1.5x1.5x 0.75m Dp.	1.3x1.3x 0.65m Dp.	1.3x1.3x 0.65m Dp.	1.4x1.4x 0.7m Dp.

A minimum soil bearing pressure of 75 KN/m² is assumed

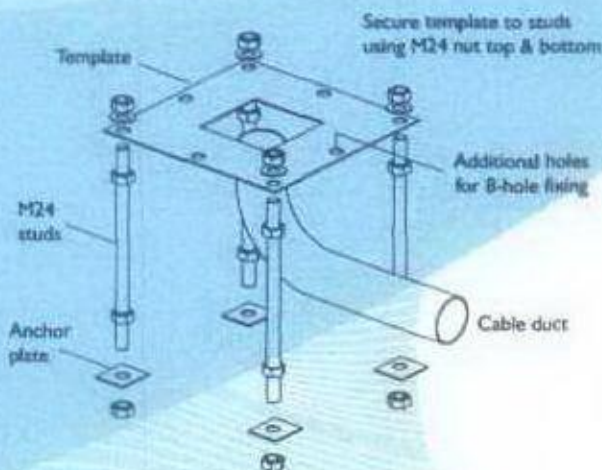


FM Root (FM)

4-hole fixing - up to 8m
 8-hole fixing - 10m

fig. 1

FM Root Assembly


Installation Method

1. From the map, select location of installation
2. Excavate as per recommended area and depth
3. Assemble root base as shown in fig. 1
4. Insert root base into the hole ensuring that it is level and that the four studs protrude 60-70mm above the concrete foundation
5. Fit the cable duct if routing via the interior of the column. A plastic pipe of approximately 100mm outside diameter is recommended for this. Ensure this protrudes through the template by 50mm minimum.
6. Pour concrete ensuring that it is a mix of C35 to table 6 BS 8110 and then tamp down well
7. Fit the setting template over the four protruding studs, double-checking that they are level and that clear access can be gained to the cable duct if it is being used
8. Leave the concrete to cure for a minimum of 72 hours prior to attempting to erect the column
9. When fitting the column, ensure that the concrete base is in complete contact with the underside of the column and grout accordingly
10. When the column has been fixed, protect the studs with a suitable protective coating. Denzo tape or similar is recommended for this

Foundation sizes are determined for three sets of wind speeds, which will cover most of the British Isles.

Area A = 44m/s (98mph)
 Area B = 48m/s (107mph)
 Area C = 52m/s (116mph)

Maximum gust speed is likely to be exceeded on average once every 50 years at 10m above the ground in open level country.