

ZoneVu Series 3 Video Matrix System Specification

DIGITAL-IP **X**

ANALOGUE **✓**

HYBRID **✓**



Specification

Operating Temperature - Storage -10°C to +60°C Operational 0°C to +50°C Humidity 10% to 95% non-condensing

Enclosure - Euro rack standard. Aluminium and mild steel construction.

Colour - Black and aluminium.

Power ZVS3-PSU-R - Input 99 to 264VAC 50Hz, Output +12VDC & -5VDC

Power ZVS3-PSU-O - Input 99 to 264VAC 50Hz, Output +5VDC & -5VDC

Power ZVS3-PSU-RD - Input 99 to 264VAC 50Hz, Output +12VDC & -5VDC, Dual redundant, fail alarm.

Power ZVS3-PSU-OD - Input 99 to 264VAC 50Hz, Output +5VDC & -5VDC, Dual redundant, fail alarm.

ZoneVu Network Port - RS422 half duplex

Diagnostics and Configuration - Mpower software application

Bandwidth -3dB - 50MHz

Bandwidth 0.1dB - 10.5MHz

Slew rate - 160V/uS

Differential gain error - < 0.1%

Differential phase error - < 0.5%

X-talk (all hostile) @ 6MHz - > -60dB

Output isolation @ 6MHz - > -90dB

Signal to Noise - > -63dB

Camera Captions - 4096 captions 28 characters per caption; Caption justification left, Centre or Right; Camera text line selection 1-15;Text Flashing, Opaque, Translucent or Off, Default caption configuration

Power Consumption

ZVS3-VRM - 43W Max.

ZVS3-VOTM - 30W Max.

ZSC-1000 - 15W Max.

ZVS3-PSU-R - 117W Max.

ZVS3-PSU-O - 117W Max.

ZVS3-PSU-RD - 133W Max.

ZVS3-PSU-OD - 133W Max.

ZSC-1000+ - 2W Max.



ZoneVu Series 3 Video Matrix System Specification

DIGITAL-IP **X**

ANALOGUE **✓**

HYBRID **✓**



Specification Continued

Monitor Captions - 128 captions configurable for any monitor in the range 1-2048, 28 characters per caption; Caption justification Left, Centre or Right; Camera text line selection 1-15; Text Flashing, Opaque, Translucent or Off, 3 configurable messages per monitor

Time and Date Captions - Date format DD:MM:YYYY, DD:MM:YY or Off; Time format HH:MM:SS, HH:MM or Off; Caption justification Left, Centre or Right; Camera text line selection 1-15; Text Flashing, Opaque, Translucent or Off

Video input connectors - Standard BNC 75Ω

Video output connectors - Standard BNC 75Ω

Video input - 1V p-p nominal

Video output - 1V p-p nominal

Video input impedance - Hi-Z nominal

Video output impedance - 75R nominal

ZVS3-VRM Module size - 128 input by 128 output expandable in blocks of 128 inputs and 16 outputs

ZVS3-VOTM Module size - 128 outputs expandable in blocks of 4 outputs

Maximum expansion capability - 4096 inputs by 2048 outputs

MTBF ZVS3-VRM - 70,000 Hours

MTBF ZVS3-VOTM - 70,000 Hours

MTBF ZVS3-PSU-x - 75,000 Hours

MTBF ZVS3-PSU-xD - 75,000 Hours

MTBF ZSC-1000+ - 70,000 Hours

Dimensions & Weight

ZVS3-VRM - 19" rack 5U Max depth 380mm - 14Kg.

ZVS3-VOTM - 19" rack 3U Max depth 380mm - 8.5Kg.

ZVS3-PSU-R - 19" rack 1U Max depth 170mm - 2Kg.

ZVS3-PSU-O - 19" rack 1U Max depth 170mm - 2Kg.

ZVS3-PSU-RD - 19" rack 1U Max depth 260mm - 2.3Kg.

ZVS3-PSU-OD - 19" rack 1U Max depth 260mm - 2.3Kg.

ZSC-1000+ - 19" rack 1U Max depth 140mm - 1.5Kg.



ZoneVu Series 3 Video Matrix System Specification

DIGITAL-IP X

ANALOGUE ✓

HYBRID ✓



Ordering Information

System

ZVS3-XXXXYYYY - ZoneVu Series 3 video matrix system. NNN video inputs by NN video outputs, loop-through Hi-Z video inputs, Supplied with ZSC-1000plus matrix manager, ZVS3-PSU-x modules and power connector plugs (leads not supplied), RJ45 inter-ZVS3-VRM to ZVS3-VRM module data cables 32CM length, RJ45 ZVS3-VRM to ZSC-1000plus module data cable 1M length. Fitted/supplied options include - OSD on video outputs, video input loss detection, video input bridging cable, 75-ohm video termination plugs.

Modules

ZVS3-VOTM - ZoneVu Series 3 video output OSD expansion sub-rack. 128 channel. 3U 19-inch.

ZVS3-VRM - ZoneVu Series 3 video routing expansion sub-rack. 128 input by 128 output. 5U 19-inch.

ZSC-1000+ - ZoneVu Master site controller and matrix manager unit. A ZoneVu Embedded Driver Licence is required for this product, ordered separately ZONEVU-ZSC-EDLL. Incorporates dedicated ZVM port, PC port, ZVK port and 4 x independent ZVR ports. 1U 9-inch. 12VDC. Control provided for 1 Fusion GUI PC workstation via the PC2 port. A FUSION-1000-CL or ZONEVU-1000-3PCL control licence will also be required, ordered separately, when controlled via FUSION or a 3rd Party system.

ZVS3-PSU-R - ZoneVu Series 3 Power Supply Module for ZVS3-VRM. Input 99-264VAC 50-60Hz. Output +12VDC and -5VDC. Primarily to power ZVS3-VRM.

ZVS3-PSU-O - ZoneVu Series 3 Power Supply Module for ZVS3-VOTM. Input 99-264VAC 50-60Hz. Output +5VDC and -5VDC. Primarily to power ZVS3-VOTM.

ZVS3-PSU-RD - ZoneVu Series 3 Power Supply Module for ZVS3-VRM. Dual Input 99-264VAC 50-60Hz. Dual Output +12VDC and -5VDC. Full dual redundancy 'Hot-standby' with on-board diagnostics and PSU module fail reporting. Primarily to power ZVS3-VRM.

ZVS3-PSU-OD - ZoneVu Series 3 Power Supply Module for ZVS3-VOTM. Dual Input 99-264VAC 50-60Hz. Dual Output +5VDC and -5VDC. Full dual redundancy 'Hot-standby' with on-board diagnostics and PSU module fail reporting. Primarily to power ZVS3-VOTM.

Spare Parts and Expansion Cards

ZVS3-T75 - Series 3 75 Ohm termination plug

ZVS3-OSD-VOTM - ZoneVu Series 3 4-channel video output card with OSD.

ZVS3-RJ-VOTM - ZoneVu 32-channel ZVS3-VOM rack jumper card.

ZVS3-RJ-VRM - ZoneVu 32-channel ZVS3-VRM rack jumper card.

ZVS3-VOA-VOTM - ZoneVu Series 3 4-channel video output buffer amplifier card. No OSD.

ZVS3-CASS-VLC-VRM - ZoneVu Series 3 complete ZVS3-VRM 128x128 video routing cassette. Video loss monitoring fitted.

ZVS3-CASS-VRM - ZoneVu Series 3 complete ZVS3-VRM 128x128 video routing cassette. No video loss monitoring fitted.



ZoneVu Series 3 Video Matrix System Specification

DIGITAL-IP **X**

ANALOGUE **✓**

HYBRID **✓**



Ordering Information Continued

Spare Parts and Expansion Cards

ZVS3-VRC-VRM - ZoneVu Series 3 video routing card 128 video inputs by 16 video outputs.

ZVS3-VLC-VRM - ZoneVu Series 3 128-channel video input loss detection card.

ZVS3-BC1-VRM - ZoneVu Series 3 ZVS3-VRM 1-Metre video input bridging cable. RG59 Miniature, Capacitance: 51pF/m, Conductor: 1/0.64mm, Outer Diameter: 3.70mm, Impedance: 75 ohms, Operating Temperature: -20C to +80C.

ZVS3-VOTM-CPU - ZoneVu Series 3 VOTM CPU which is fitted in each ZVS3-VRM responsible for the first 128 video inputs when OSD is specified.

ZVS3-PSU-FAN - ZoneVu Series 3 ZVS3-VRM module replacement fan unit.

ZVS3-VRM-DDC - ZoneVu Series 3 ZVS3-VRM PSU, Comms & Display Driver PCB

ZVS3-VRM-FAN - ZoneVu Series 3 ZVS3-VRM module replacement fan unit.

ZVS3-VRM-DDO - ZoneVu Series 3 ZVS3-VRM PSU, Comms, Display & OSD Driver PCB



The purpose of this data sheet is to provide product information on Meyertech products. The information in this datasheet is believed to be accurate and reliable. However, no responsibility or liability is assumed by Meyertech Limited for its use, or for any infringement of patents or other rights of third parties, which may result from its use. No license is granted by implication or otherwise under any patent or other rights of Meyertech Limited. Meyertech are committed to continuous product development and therefore reserve the right to change specification without notice.



MEYERTECH
SECURITY *with* VISION