

Videoframe™

Control System Solutions



- Tally Systems
- Remote Control Systems
- Emergency Bypass Systems
- Signal Monitoring Systems
- **Power over Ethernet**
- Fully Networked
- SNMP Enabled

Videoframe™
www.videoframesystems.com
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PRODUCT CATALOG 2010

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INTRODUCTION

At Videoframe we use a complete systems approach in designing our control and monitoring products. We specialize in the design and manufacture of systems for machine control, signal monitoring, remote control, emergency bypass and tally for both broadcast and audio/video post-production applications.

Our product line includes tally controllers, interface and signal monitoring VNODES™, hard surface control panels, signal monitoring software, modular frames and cards. NEW for 2009 is a complete line of PoE Power over Ethernet Products. Be sure to see our NEW PoE VNODES™, Control Panels and Snap-In Snap-Out Rackmount Hardware.

We are committed to working closely with you to develop the products you need for signal monitoring, machine control and facility integration applications.

Videoframe, Inc. is located in the Grass Valley area in the Sierra Nevada Mountains of California. Our lovely area is famous for both its' gold mining history and number of video/technology-based businesses.

Videoframe has been in business since 1991 and maintains a solid reputation with our customers because we build reliable products.

At Videoframe we make it easy for you to do business with us. You can purchase Videoframe products directly from us. Call and talk with our engineering staff at 530-477-2000 to learn how we might help you with your facility design or upgrade.

HOW TO USE THIS CATALOG

Our purpose in presenting our product catalog in PDF format is to make it accessible to the largest possible audience. You have received this document on either a CD-R or via email. Your CD-R version has been tested and should open on your CD ROM drive. If, however, you experience any problems accessing this document, please call us at 530-477-2000.

PRODUCT WARRANTY

All Videoframe, Inc. products are warranted for 24 months from the date of purchase. This warranty applies to the original purchaser and covers all labor and materials supplied by Videoframe, Inc. Failures that occur as the result of improper installation or operation by the customer are not covered by this warranty and Videoframe, Inc. retains the right to make such determination.

For all in warranty products Videoframe, Inc. will:

1. Pay the round trip overnight shipping charges.
2. Repair or replace failed equipment at our option.
3. Provide the customer with general software upgrades that occurred since date of purchase.
4. The turnaround for service will be 48 hours not including weekends or holidays.

The following will apply for out of warranty products:

1. The customer will pay shipping charges in both directions.
2. Repairs to any unit will be charged on a case by case basis.
3. The minimum charge will be \$250.
4. The turnaround for service will be 48 hours not including weekends or holidays.

Should you have to return your equipment for any reason, please call 530-477-2000 for an RMA number. You will find the serial number tag on your unit. If you have to return a unit please reference your RMA number and include a brief technical description of the reason for the return.

Use the following ship to address:

Videoframe, Inc.
101 Providence Mine Road, Suite 105
Nevada City, CA 95959
Attn: Service Dept.

At Videoframe we make every effort to provide you with reliable defect free equipment. Your satisfaction is our concern and goal. If at any time you have questions relating to our products please call engineering at 530-477-2000.

VTECS™ SIGNAL MONITORING PRODUCTS

VTECS SIGNAL MONITORING OVERVIEW

Videoframe VTECS™ Signal Monitoring Products were designed in response to customer requests. The VTECS™ line of signal monitoring products work to continuously monitor and automatically detect signal impairments. The Videoframe range of signal monitoring solutions produces and maintains a quality on-air look and allows for significant savings in manpower resources.

[Click Here to view VTECS™ Family](#)

VF200 MODULAR FRAME and PLUG - IN MODULES

The VF200 is cost-effective for a large signal monitoring system and as such offers greater flexibility. When a large number of signals are close together the VF200 is an ideal product allowing for best density of functionality per rack unit. The VF200 can be set up to operate in stand-alone mode by using either the Windows based Videoframe Configuration Application, or by using a VTECS™ control panel.

Interfaces are available for Analog Video, SDI Video, AES/EBU Audio, Analog Audio, DTMF Tone Transceiver, 16 Relay Output, 16 GPI Input, 2 x 2 Passive Transfer Switch. The VF200 can report defects to the VTECS™ Monitor software, to an SNMP manager, or it can set its' own GPI relays depending on the user configuration.

VF200 MODULAR CARD FRAME

Basic VF200™ modular frame with door. Each 2RU modular frame holds one Power PC based control module and up to 12 signal interface or control modules. The unit includes one external dual

9V, power supply with power cord (VO0010), one console cable (VO0009), and documentation package.

VF200 Modular Card Frame [P/NVF0032](#)

VF200 MODULES

There are 10 different VF200 modules available. These are:

The VM0008—Control Processor controls the VF200 and is usually required.

Control Processor..... [P/N VM0008](#)

VTECS™ SIGNAL MONITORING VF200 MODULES

The VM0004—SDI Video Monitor - monitors one channel of SDI Video.

Parameters monitored include:

Video is sampled and pictures are output to the VTECS™ Monitor software application.

Pictures are available as 66x49 small thumbnails, 102x81 large thumbnails, or full field.

Picture unlocked – bad or missing clock.

Pedestal level.

Video average program level. This can be set to various thresholds such as black.

Frozen signals.

16 x 9 aspect ratio.

VBI data such as closed captioning.

Monitors four audio signals out of one group. Group is configurable.

SDI Video Monitor[P/N VM0004](#)

The VM0002—2 Channel NTSC/PAL Video Monitor - monitors 2 channels of NTSC/PAL Video. Parameters monitored include:

Video is sampled and pictures are output to the VTECS™ Monitor software application.

Pictures are available as 66x49 small thumbnails, 102x81 large thumbnails, or full field.

Missing vertical sync.

Pedestal level.

Video average program level. This can be set to various thresholds such as black.

Frozen signals.

VBI data such as closed captioning.

2 Channel NTSC/PAL Video Monitor.....[P/N VM0002](#)

VTECS™ SIGNAL MONITORING VF200 MODULES

The VM0001—4 Channel Analog Audio Monitor - monitors four channels of analog audio.

Parameters monitored include:

Audio is sampled and levels are output to the VTECS™ Monitor software application.

Average audio level is available.

Peak audio level is available.

Major feature is being able to detect a certain level such as silence or excessive loudness for certain lengths of time.

4 Channel Analog Audio Monitor.....[P/N VM0001](#)

The VM0003—2 Input AES/EBU Audio Monitor - monitors four channels of digital audio. Parameters monitored include:

Audio is sampled and levels are output to the VTECS™ Monitor software application.

Input clock detect and quality.

Average audio level is available.

Peak audio level is available.

Major feature is being able to detect a certain level such as silence or excessive loudness for certain lengths of time.

The module can be jumper configured for balanced or unbalanced audio.

2 Input AES/EBU Audio Monitor.....[P/N VM0003](#)

The VM0009 — 4 Channel DTMF Tone Monitor - monitors four channels of analog audio for DTMF tones. Parameters monitored include:

DTMF tones can be received.

DTMF tones can be generated.

4 Channel DTMF Tone Monitor.....[P/N VM0009](#)

The VM0010 – 16 Relay Output

16 GPI outputs.

16 Relay GPI Output.....[P/N VM0010](#)

The VM0006 — 16 Input GPI

16 GPI inputs.

Each input can be jumper configured to be TTL or opto-isolated.

16 Input GPI[P/N VM0006](#)

VTECS™ SIGNAL MONITORING VF200 MODULES

The VM0007—2 x 2 Passive Transfer Switch

This module is a two-by-two relay based signal router.

One 2 x 2 video passive switch.

Four 2 x 2 balanced audio passive switches.

Control can be from the VM0008 or from back panel GPI inputs.

Power presence back panel GPI output.

Switch state back panel GPI output.

2 x 2 Passive Transfer Switch [PN VM0007](#)

The VM0012 — HD 2 x 2 Passive Transfer Switch

This module is a 2 input, 2 output passive transfer switch. It uses latching 8 GHz precision relays to allow bypassing HD 1.4 GHz signals. Each input is exclusively available at each output to permit the secondary signal to be directly monitored as well as the primary.

2 BNC 1.4 GHz inputs.

2 BNC 1.4 GHz outputs.

Passive latching relays.

8 GHz bandwidth.

> 15 dB return loss.

Direct GPI control on the module.

Ethernet and SNMP control and monitoring through the VF200 control system (VM0008 control processor module)

HD 2 x 2 Passive Transfer Switch [PN VM0012](#)

The VM0013—Dual Input AES/EBU Monitor with Transfer Switch—This

module offers the combined features of the VM0003 module and the VM0007 module in a single module.

Input clock presence/quality detect.

Average audio level monitor.

Peak audio monitor.

Programmable detection levels and durations.

Passive relay transfer function swapping both inputs to both outputs.

On board GPI switch command inputs and status output.

Ethernet and SNMP control and monitoring through the VF200 control system (VM0008 control processor module).

Dual AES/EBU Monitor with Transfer Switch [PN VM0013](#)

VTECS™ SIGNAL MONITORING VF200 MODULES

The VM0014 — RS-422 2 x 1 Transfer Switch — This module provides latching relay based passive 2 x 1 switchover for RS-422 control signals. It can be used to select one of two inputs to one output, or it can be used to send one input to one of two outputs. The data lines can be jumpered to adjust for non-standard usage of RX/TX lines 2, 3, 7 and 8. In addition the RX side can be jumpered to connect to both inputs.

2 x 1 RS-422 switching or 1 x 2 switching.

Passive latching relay operation.

DB-9 connectors.

Flexible jumpering of data lines to fix non-standard data line implementations.

RX “always connected” jumper option.

Direct GPI control and status on module rear connector.

Ethernet and SNMP Control through the VF200 control system (VM0008 control processor module).

RS-422 2 x 1 Transfer Switch [PN VM0014](#)

VO0010 - Redundant Power Supply

External 9 volt, 5.0 amps power supply for the VF200 Modular Card Frame.

Order this if you want a backup power supply.

Redundant Power Supply P/N VO0010

VTECS™ SIGNAL MONITORING

SPOT SIGNAL MONITORING VNODES™

A Spot Signal Monitoring VNODE™ is a self-contained small-scale signal monitoring system. There are seven different models. Each one measures 5.50" x 3.5" x 3/4" and includes 1) circuitry to monitor one or more signals, 2) relays for GPI alarm outputs, 3) GPI inputs, and 4) a microprocessor with 100Base-T Ethernet communication capability. Each VNODE™ comes with a software application called VTECS™ Monitor. A VNODE can report defects to the VTECS™ Monitor software application. It can report defects to an SNMP manager, or it can respond to defects by setting its' own GPI relays.

VNODES can be independently monitored and configured remotely via the Ethernet. All models have an SNMP agent. The individual Spot Signal Monitoring VNODES are configured using either the Windows based Videoframe Configuration Application (included with product), or by using a VTECS™ Control Panel.

We recommend the VNODE™ solution for systems where monitoring points are few in number or for situations where the monitoring points are spread over a wide area. There may also be situations where centralized monitoring is not a requirement. The small "zero rack unit" package can be mounted anywhere. This can be an advantage when rack space is tight, for example, in older installations or in trucks.

[Click Here To View VNODES](#)

VNODE models are:

The VF0037 - GPI VNODE

Features Include:

16 relay outputs.

16GPI TTL inputs.

10/100 Ethernet port.

SNMP agent with HP Openview compatibility.

See Page for Hardware Mounting Options.

GPI VNODE [P/N VF0037](#)

VTECS™ SIGNAL MONITORING

SPOT SIGNAL MONITORING VNODES™

The VF0038 - SDI Video VNODE monitors one channel of SDI video.

Parameters monitored include:

Video is sampled and pictures are output to the VTECS™ Monitor software application.

Pictures are available as 66x49 small thumbnails,

102x81 large thumbnails, or full field.

Picture unlocked – bad or missing clocking.

Pedestal level.

Video average program level. This can be set to various thresholds such as black.

Frozen signals.

16x9 aspect ratio.

VBI data such as closed captioning.

Monitors four audio signals out of one group. Group is configurable.

Other features include:

8 GPI output relays.

8 GPI TTL inputs.

10/100 Ethernet port.

SNMP agent with HP Openview compatibility.

See Page for Hardware Mounting Options.

SDI VNODE [P/N VF0038](#)

VTECS™ SIGNAL MONITORING

SPOT SIGNAL MONITORING VNODES™

The VF0039 - Analog Audio/Video VNODE monitors a channel of NTSC/PAL video and two channels of analog audio.

Parameters monitored include:

Video is sampled and pictures are output to the VTECS™ Monitor software application.

Pictures are available as 66x49 small thumbnails, 102x81 large thumbnails, or full field.

Missing vertical sync.

Pedestal level.

Video average program level. This can be set to various thresholds such as black.

Frozen signals.

VBI data such as closed captioning.

Audio is sampled and levels are output the VTECS™ Monitor software application.

Average audio level is available.

Peak audio level is available.

Major feature is being able to detect a certain level such as silence or excessive loudness for certain lengths of time.

Other features include:

8 GPI output relays.

8 GPI TTL inputs.

10/100 Ethernet port.

SNMP agent with HP Openview compatibility.

See Page for Hardware Mounting Options.

ANALOG AUDIO/VIDEO VNODE [P/N VF0039](#)

VTECS™ SIGNAL MONITORING

SPOT SIGNAL MONITORING VNODES

The VF0057 2 x 2 Transfer Switch VNODE is a passive video bypass switch that can be controlled by GPI, Ethernet, or SNMP.

Features include:

Signal paths are passive and precisely matched for negligible effect on the signals.

The crosspoints are RF latching relays that hold in the current position when power is removed from the unit and when power is restored to the unit.

A 9 pin D connector for status/control functions. See Page for Hardware Mounting Options.

2X2 TRANSFER SWITCH VNODE [P/N VF0057](#)

VIDEOFRAME MACHINE CONTROL PRODUCTS

POWER OVER ETHERNET TECHNOLOGY OVERVIEW

Videoframe was the first company on the NAB tradeshow floor to introduce SNMP agents as a standard product component and now we are the first with a line of Power over Ethernet products for broadcast. Videoframe introduced Power over Ethernet products at NAB 2007.

Some background on Power over Ethernet or PoE technology: Power over Ethernet enables products to be powered over the same Ethernet link that supplies the network communication link. This was first introduced for use in VOIP telephones and surveillance cameras. However, the technology is quite general. Videoframe already builds IP based distributed machine control systems where each node (the VNODE) is relatively small. Integrating PoE into our control panels and VNODE components allows Videoframe to eliminate the power cords and wall warts from a typical installation. It also allows the machine control components to be installed in a wider variety of locations. This is a major benefit for broadcast trucks and already crowded machine rooms.

Power over Ethernet – PoE allows devices to be made smaller and less costly – this is always considered a major improvement.

The Key innovation though is the moving of the power supply infrastructure back into the domain of the communications infrastructure. This technology is going to be a major foundation shift in IT Technology that moves into broadcast as so many other technologies have in the past. The current 13 watt limit will increase to 25 watts per node when the newer PoE technology emerges.

MACHINE CONTROL VNODES™

Machine Control VNODEs™ can be used with Videoframe Control Panels to create basic on/off type control and monitoring systems that are simple to set up and modify. Machine Control VNODES™ can be used with industry standard software programs such as (in alphabetical order) Leitch Navigator, Miranda iControl, and Thomson NetCentral. These software packages are preconfigured to work with Machine Control VNODES™ over Ethernet using SNMP. Machine Control VNODES™ share the same software features.

MACHINE CONTROL VNODES™ - POWER over ETHERNET - PoE

[The VF0081 Timelink PoE VNODE™](#)

The Timelink VNODE™ is a Power over Ethernet PoE control system VNODE. The Timelink VNODE™ links up to 3 pieces of equipment for shared remote control functions. The functions include follow functions, protocol translation, and general remote control. Functions are accessed and programmed over 100 Base-T. The Timelink VNODE has VITC and LTC time code inputs and will perform pre-programmed time delayed commands. Includes GPI inputs, outputs and an SNMP agent.

Timelink PoE VNODE™ [P/N VF0081](#)

[The VF0080 Interface PoE VNODE™](#)

An Interface VNODE™ with Power over Ethernet (PoE) offers Ethernet control to a wide variety of RS-422 and RS-232 broadcast devices. Includes 3.5" x 4" x1" chassis and product specific software driver. Order any number of hardware mounting options to secure this VNODE (see Options & Kits).

Software drivers are available for the following broadcast devices:

Ensemble Avenue – Modular Frame	VF0080-47
Fortel Integrity – Modular Frame	VF0080-46
Grass Valley Gecko - 8900 Frame	VF0080-43
Grass Valley Kameleon - 2000 Modular Frame	VF0080-44
Grass Valley Ten-XL – Routing Switcher	VF0080-59
Leitch DPS575 – Frame Sync	VF0080-45
Leitch NEO – Modular Frame.....	VF0080-53
Pro-Bel System 3 – Routing Switcher	VF0080-51
Snell & Wilcox RollNet – Modular Frame	VF0080-60
Snell & Wilcox Switchpack – Master Control Switcher	VF0080-61
TC Electronics DB-8 - Audio Processor	VF0080-66
Thomson Encore – Routing Switcher	VF0080-48
Thomson Jupiter/Trinix – Routing Switcher	VF0080-52
Videotek DPA - Proc Amp	VF0080-64
Videotek SDC - Color Corrector	VF0080-65
PESA-PERC2000.....	VF0080-88
Serial Interface PoE VNODE™	<u>P/N VF0080</u>

MACHINE CONTROL VNODES™ - POWER over ETHERNET - PoE

POWER over ETHERNET – PoE

[The VF0075 - GPI 12/12 PoE VNODE™](#)

The GPI 12/12 PoE VNODE™ has 12 TTL inputs and 12 relay outputs and comes in a 3.5" x 4" x 1" chassis. Order any number of hardware mounting options to secure this VNODE (see Options & Kits). Order the 25-Pin D Terminal Block I/O Module VF0078 for quick and easy installation.

GPI 12/12 PoE VNODE™ [P/N VF0075](#)

[The VF0076 - FlexGPI 12 PoE VNODE™](#)

The FlexGPI 12 PoE VNODE™ has 12 two pin GPI ports that are assignable as either inputs or outputs and comes in a 3.5: x 4" x 1" chassis. Order any number of hardware mounting options to secure this VNODE (See Options & Kits). Order the 25-Pin D Terminal Block I/O Module VF0078 for quick and easy installation.

FlexGPI 12 PoE VNODE™ [P/N VF0076](#)

[The VF0099 - GPI 16/16 PoE VNODE™](#)

The NEW 16/16 GPI PoE VNODE™ has 16 outputs and 16 inputs. PoE Power over Ethernet technology eliminates AC power requirements. The 16/16 GPI PoE VNODE is a machine control VNODE that can be used to create a simple on/off control and monitoring system that is easy to set-up and modify. The chassis size is 7" x 4" x 1".Secure this and other PoE VNODES™ in our NEW Snap-in Snap-out rackmount system. See Options & Kits for mounting hardware.

GPI 16/16 PoE VNODE™ [VF0099](#)

[The VF0084 – GPI 32/32 PoE VNODE™](#)

The NEW 32/32 GPI PoE VNODE™ has 32 outputs and 32 inputs. PoE Power over Ethernet technology eliminates AC power requirements. The 32/32 GPI PoE VNODE is a machine control VNODE that can be used to create a simple on/off control and monitoring system that is easy to set-up and modify. The chassis size is 7" x 4" x 1".Secure this and other PoE VNODES™ in our NEW Snap-in Snap-out rackmount system. See Options & Kits for mounting hardware.

GPI 32/32 PoE VNODE™ [VF0084](#)

VIDEOFRAME MACHINE CONTROL PRODUCTS

MACHINE CONTROL VNODES™

[The VF0037 - GPI VNODE™](#)

This VNODE has 16 relay outputs and 16 TTL GPI inputs all on one D37 connector. The relays and the GPI inputs have one side common.

Features:

- 16 relay outputs, one side common, up to 1A @ 30 VDC
- 16 TTL GPI inputs with resistor pullups and diode input protection
- 10/100 Ethernet port—RJ45
- SNMP agent with HP Openview compatability
- Supports Videoframe VTECS™ and SIMPLE protocols
- Compact 3.5" x 5.5" x 3/4" stainless steel case

GPI VNODE™ [P/N VF0037](#)

[The VF0057 - 2 x 2 Transfer Switch VNODE™](#)

This is a passive video bypass switch that can be controlled by GPI, Ethernet, or SNMP.

Features include:

- Signal paths are passive and precisely matched for negligible effect on the signals.
- The crosspoints are RF latching relays that hold in the current position when power is removed from the unit and when power is restored to the unit.
- A 9 pin D connector for status/control functions.

2X2 TRANSFER SWITCH VNODE [P/N VF0057](#)

VIDEOFRAME TALLY SYSTEMS

[The VF0017 TCP/IP TALLY EXPANDER](#)

Includes Tally Expander chassis, control unit, 64 relay outputs and 32 GPI TTL inputs, console cable (VO0009), CD with Videoframe Configuration Application Software and Installation Operation Guide, external 12V, power supply with power cord (VO0004).

TALLY EXPANDER (TCP/IP Version) [P/N VF0017](#)

[The VF0010 TALLY MAPPER](#)

Includes Tally Mapper chassis, 64 relay outputs and 32 GPI TTL inputs, console cable (VO0009), CD with Videoframe Configuration Application software and Installation Operation Guide, external 12V, power supply with power cord (VO0004).

TALLY MAPPER 64 x 32 [P/N VF0010](#)

[The VF0088 TALLY SERVER PoE VNODE™](#)

The Tally Server PoE VNODE™ is the base component in a monitor wall tally control system. The NEW Tally Server PoE VNODE™ uses Power over Ethernet technology. The Tally Server VNODE™ interfaces to all industry Ethernet and serial tally streams. Other capabilities include interface to any number of GPI/GPO ports with full logic capability, and time code input for timed events.

Tally Server PoE VNODE™ [VF0088](#)

VIDEOFRAME CONTROL PANELS

VTECS™ SERIES

The VTECS™ 2 CONTROL PANEL

An intelligent knob-per-function Frame Sync or Proc. Amp control panel for master control splash or QC positions. Controls interface and processing equipment from multiple vendors using Videoframe Interface VNODES™. The panel interfaces to your router to follow the X-Y panel, or to cause the monitors at your QC station to follow the VTECS™ 2 Control Panel. The VTECS™ 2 panel allows multiple pages of controls per router source or processing channel. This is a panel with greater functionality in a smaller package and is less expensive than other VTECS™ control panels. Interface VNODES are available for Snell & Wilcox, Grass Valley, Leitch, Videotek, TC Electronic, Pro-Bel, PESA and Evertz products.

VTECS™ 2 CONTROL PANEL [P/N VF0054-50](#)

The VTECS™ 5 CONTROL PANEL

The VTECS 5 is a knob-per-function panel for on-air control of proc. Amp and frame sync equipment. The unit includes a 1 RU, VTECS™ 5 Control Panel Chassis, external 9V, power supply with power cord (VO0010), and configuration operation guide (VV0014)

VTECS™ 5 CONTROL PANEL [P/N VF0055-50](#)

CP SERIES

CP2 CONTROL PANEL

The CP2 is a 2 button, general purpose control panel. The CP2 can control equipment from many different vendors. The CP Series of Control Panels are designed for machine control and router / master control. Comes in a 1RU chassis with 2 broadcast quality pushbuttons, an external 9V power supply with power cord (VO0010), documentation and configuration software.

CP2 CONTROL PANELVF0103

CP8 CONTROL PANEL

The CP8 is an 8 button, general purpose control panel. The CP8 can control equipment from many different vendors. The CP Series of Control Panels are designed for machine control and router / master control. Comes in a 1RU chassis with 8 broadcast quality pushbuttons, an external 9V power supply with power cord (VO0010), documentation and configuration software.

CP8 CONTROL PANEL [VF0071-50](#)

CP16 CONTROL PANEL

The CP16 is a 16 button, general-purpose control panel. The CP16 can control equipment from many different vendors. The CP Control Panels are machine control and router / master control panels. Comes in a 1RU chassis with 16 broadcast quality pushbuttons, an external 9V power supply with power cord (VO0010), documentation and configuration software.

CP16 CONTROL PANEL [P/N VF0062-50](#)

VIDEOFRAME CONTROL PANELS

POWER over ETHERNET CONTROL PANELS

[The VF0094 CP8P CONTROL PANEL](#)

The CP8P Control Panel is a general purpose panel with 8 film relegendable broadcast quality pushbuttons and Power over Ethernet technology. This panel controls equipment from many different vendors. The CP Series of Control Panels are designed for machine control and router / master control. The chassis measures 19" x 6" x 1.75".

CP8P CONTROL PANEL [VF0094](#)

[The VF0095 CP16P CONTROL PANEL](#)

The CP16P Control Panel is a general purpose panel with 16 film relegendable broadcast quality pushbuttons and Power over Ethernet technology. This panel controls equipment from many different vendors. The CP Series of Control Panels are designed for machine control and router / master control. The chassis measures 19" x 6" x 1.75".

CP16P CONTROL PANEL [VF0095](#)

[The VF0106 CP32P CONTROL PANEL](#)

The CP 32P Control Panel is a general purpose panel with 32 film relegendable broadcast quality pushbuttons arranged in two rows, and Power over Ethernet technology. This panel controls equipment from many different vendors. The CP Series of Control Panels are designed for machine control and router / master control. The chassis measures 19" x 6" x 3.5" or 2RU high.

CP32P CONTROL PANEL VF0106

POWER over ETHERNET CONTROL PANELS

Programmable LCD Control Panels

[The VF0096 LCD 6PR CONTROL PANEL](#)

The LCD 6PR™ Control Panel is a general purpose control panel with 6 programmable LCD switches and Power over Ethernet technology. The 4 menu buttons are located to the right of the 6 LCD switches. The LCD Series of Control Panels are designed for machine control and router / master control. The chassis measures 19" x 6" x 1.75".

LCD6PR CONTROL PANEL..... [VF0096](#)

VIDEOFRAME CONTROL PANELS

POWER over ETHERNET CONTROL PANELS

Programmable LCD Control Panels

[The VF0097 LCD 12PR CONTROL PANEL](#)

The LCD 12PR™ Control Panel is a general purpose control panel with 12 programmable LCD switches and Power over Ethernet technology. The 4 menu buttons are located to the right of the 12 LCD switches. The LCD Series of Control Panels are designed for machine control and router / master control. The chassis measures 19" x 6" x 1.75".

LCD12PR CONTROL PANEL[VF0097](#)

[The VF0107 LCD 24PR CONTROL PANEL](#)

The LCD 24PR™ Control Panel is a general purpose control panel with 24 programmable LCD switches arranged in two rows, and Power over Ethernet technology. The 8 menu buttons are located to the right of the 24 LCD switches. The LCD Series of Control Panels are designed for machine control and router / master control. The chassis measures 19" x 6" x 3.5" and is 2 RU high.

LCD24PR CONTROL PANELVF0107

[The VF0104 LCD 6PL CONTROL PANEL](#)

The LCD 6PL™ Control Panel is a general purpose control panel with 6 programmable LCD switches and Power over Ethernet technology. The 4 menu buttons are located to the left of the 6 LCD switches. The LCD Series of Control Panels are designed for machine control and router / master control. The chassis measures 19" x 6" x 1.75". See photo of the VF0096 LCD6PR.

LCD 6PL CONTROL PANEL.....VF0104

[The VF0105 LCD 12PL CONTROL PANEL](#)

The LCD 12PL™ Control Panel is a general purpose control panel with 12 programmable LCD switches and Power over Ethernet technology. The 4 menu buttons are located to the left of the 12 LCD switches. The LCD Series of Control Panels are designed for machine control and router / master control. The chassis measures 19" x 6" x 1.75". See photo of the VF00097 LCD12PR.

LCD12PL CONTROL PANEL.....VF0105

[The VF0108 LCD 24PL CONTROL PANEL](#)

The LCD 24PL™ Control Panel is a general purpose control panel with 24 programmable LCD switches arranged in two rows, and Power over Ethernet technology. The 8 menu buttons are located to the left of the 24 LCD switches. The LCD Series of Control Panels are designed for machine control and router / master control. The chassis measures 19" x 6" x 3.5" and is 2 RU high.

LCD24PL CONTROL PANEL.....VF0108

VIDEOFRAME OPTIONS & KITS

External Power Supply 12V	P/N VO0004
Power Cord.....	P/N VO0007
Console Cable.....	P/N VO0009
External Power Supply 9V/5.0A	P/N VO0010
Power Cord.....	P/N VO0011
VF200 Blank Rear Panel.....	P/N VO0012
VNODE 9V Power Supply.....	P/N VO0013
Power Supply Adapter Kit for Europe Order.....	P/N VO0013-10
For United Kingdom Order	VO0013-20
For Australia Order.....	VO0013-30
For United States Order	VO0013-50
VNODE 9V Power Supply Non-Locking	P/N VO0014
VNODE Power Supply Security Kit.....	P/N VO0017
External 5V Power Supply	P/N VO0031

VNODE™ HARDWARE MOUNTING OPTIONS

Front Rackmount Kit.....	P/N VO0016
For Mounting Non-PoE VNODES 5.75" x 3.5"	
Rear Rackmount Kit	P/N VO0018
For Mounting Non-PoE VNODES 5.75" x 3.5"	
Single Rackmount Kit	P/N VO0032
For 1 5.75" x 3.5" Non-PoE VNODE using 6-32 screws. Z shaped.	

VIDEOFRAME OPTIONS & KITS

PoE VNODE™ MOUNTING HARDWARE OPTIONS

2RU Single Rackmount Kit PoE [P/N VO0025](#)

Holds One 4" x 3.5" PoE VNODE using 6-32 screws, Z shaped.

2RU Dual Rackmount Kit PoE [P/N VO0026](#)

Holds Two 4" x 3.5" PoE VNODES using 6-32 screws, Z shaped.

4RU Single Rackmount Kit PoE [P/N VO0027](#)

Holds One 7" x 4" or Two 4" x 3.5" PoE VNODES using 6-32 screws, Z shaped.

4RU Dual Rackmount Kit PoE [P/N VO0028](#)

Holds Two 7" x 4" or Four 4" x 3.5" PoE VNODES using 6-32 screws, Z shaped.

SNAP-IN SNAP-OUT MOUNTING STYLE

2RU Rackmount Kit PoE [P/N VO0033](#)

Holds up to Sixteen 4" x 3.5" PoE VNODES using snap-in snap-out mounting system.

4RU Rackmount Kit PoE [P/N VO0034](#)

Holds up to Sixteen 7" x 4" or Thirty-Two 4" x 3.5" PoE VNODES using snap-in snap-out mounting system.

25-Pin D Terminal Block Module [P/N VF0078](#)

Use this product to connect equipment quickly and easily. Eliminate hand wiring, creating mating connectors, crimping and soldering when you install equipment. This new module is compatible with any product using 25-Pin D connectors.

37-Pin D Terminal Block Module [P/N VF0079](#)

Use this product to connect equipment quickly and easily. Eliminate hand wiring, creating mating connectors, crimping and soldering when you install equipment. This new module is compatible with any product using 37-Pin D connectors.