

A/V VNODE Specifications and Pinout

Videoframe P/N:	VF0039
Power:	9VDC @ 1.0A. Max. Dissipation 6W
Ethernet:	Physical: RJ-45 T-568B (NIC) Signaling: Auto-negotiating – IEEE 802.3u 100Base-TX, Full or Half Duplex; IEEE 802.3 10Base-T, Full or Half Duplex.
Video:	NTSC or PAL composite video input. Loop-through output. Terminating Resistor must be installed on output if not used.
Audio:	Two channels, 600 ohm balanced audio input, terminating.
GPIs:	TTL input with internal 4.7K pull-up to +3.3V. 5-volt tolerant, transient-protected.
Relays:	Closure to GND (Common), contacts rated at 0.5A, 30V.
GND:	One GND is common among all GPI inputs and relays, as well as with the power input. The GPI interface supports a 6A maximum total return using all 3 GND pins on the 25-pin D.
Rear Panel Indicators:	Power, CPU run, Ethernet link, Ethernet activity.
Software:	<p>Basic Operating System with a TCP (telnet) server for configuration, used with the Videoframe Configuration Application Windows program.</p> <p>An SNMP V1/V2C agent is included for monitoring of MIB-2 host objects, control and monitoring of GPIs, and monitoring of audio and video alarms.</p> <p>The SNMP agent allows the VNODE™ and its alarms to be monitored by a general-purpose network monitoring program (SNMP manager) such as HP OpenView™, Castle Rock SNMPc™, or Ipswitch WhatsUp™ Gold.</p> <p>Also included is a server for the VTECS™ protocol, for remote control and monitoring using the VTECS™ Monitor Windows application (included), a VTECS™ control panel, or a customer integrated application.</p> <p>Remotely-accessed configuration includes standalone relay action on alarms, and allows user-assigned names to be associated with GPI input SNMP traps.</p>
Protocol Standards:	IP V4, TCP, UDP, ARP, ICMP (ping), SNMP V1/V2C (UDP ports 161, 162), telnet (TCP port 23)
Physical Dimensions:	1.0”H x 5.7”W x 3.5”D
Weight:	1.8 lbs. (including external power supply)
Power Supply:	Single external 9VDC @ 1.1A
Rack Mount Kit Options:	VO0016 1RU front rackmount kit, accommodates 3 units. VO0018 1RU rear rackmount kit, accommodates 3 units.
Connector:	Unit has one DB25-F connector for audio inputs, GPI inputs, and relay outputs. See Fig. 1 below for pinout.

A/V VNODE PINOUT

Function	Pin(s)
GND and Relay Common	1,11,13,shell
GPI 1	5
GPI 2	17
GPI 3	4
GPI 4	16
GPI 5	3
GPI 6	15
GPI 7	2
GPI 8	14
Relay 1	9
Relay 2	21
Relay 3	8
Relay 4	20
Relay 5	7
Relay 6	19
Relay 7	6
Relay 8	18
Audio 1 +	25
Audio 1 -	12
Audio 1 Ground	24
Audio 2+	23
Audio 2-	10
Audio 2 Ground	22

Fig. 1: VF0039 A/V VNODE 25-Pin D Pinout
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