FEATURES

- ✓ Runs on the same Network as Fire Alarm system, no extra comms/audio cables required
- ✓ Compliant with BCA to form part of an occupant warning system
- ✓ Up to 1000 audio sequences
- ✓ Equations support flexible programming for distribution of messages
- ✓ Electrically isolated digital audio ports for direct connection with up to 32 Digital Audio Loop (DAL) devices
- ✓ Local and remote paging microphone options
- ✓ Broad all-call functionality when used with DVC-KD (DVC Keyboard Display)
- ✓ Auxillary input for 12 Vp-p analog low-level audio sources: includes user audio level adjustment feature
- ✓ Programmable using VeriFire® Tools with up to 32 minutes of standard quality or 4 minutes of high quality digital audio storage of user-selected/created messages and tones
- ✓ Networking supports twisted-pair wire, single mode fibre and multimode fibre media
- ✓ Auxiliary input accepts external audio sources such as background music. High impedance input accepts 600 ohm, line level, 1.0 VRMS or 1.41 Vp-p low level audio
- ✓ Supports for ONYXWorks as audio command centre
- ✓ Isolated alarm bus input, to be used for backup activation of alarm messages when network communication is lost

PRODUCT DESCRIPTION

The DVC is the heart of an integrated, full-featured Audio Command Centre. The DVC (Digital Voice Command) combines the capabilities of a powerful digital audio processor, an event driven audio message generator, and a router.

Designed for use with Digital Audio Loop (DAL) devices such as DAA2, each DVC supports a dedicated audio network with up to eight channels of audio, and control and supervision for up to 32 DAL devices. Devices are available in versions supporting wire, multi-mode fibre, or single mode fibre media.

Larger audio systems incorporating hundreds of amplifiers can be created by networking additional DVC units via NOTI•FIRE•NET™.

The DVC may be networked with AFP-2800 and AFP-3030 Fire Alarm Control Panels (FACP) via NOTI•FIRE•NET™ or integrated as part of an overall mass notification system via an ONYX workstation. When used as an Audio Command Centre with Emergency Paging capability, the optional DVC-KD Keypad Display is required.

NSW
18-20 Brookhollow Ave
NORWEST 2153
02 8850 2888
sales@firesense.com.au

VIC
Unit 4, 297 Ingles St
PORT MELBOURNE 3207
03 9646 4557
salesvic@firesense.com.au

QLD
Unit 2, 225 Queensport Rd North
MURARRIE 4172
07 3890 8842
salesqld@firesense.com.au

www.**firesense**.com.au

PRODUCT INFORMATION

DVC-EM
Digital Voice Command, digital audio processor with message storage for up to 32 minutes of standard quality (4 minutes at high quality) digital audio. Supports twisted-pair wire media.

DVC-RPU
Digital Voice Command Remote Paging Unit. Includes the keypad/display. Supports twisted-pair wire media; use DS fibre modules for fibre media.

DVC-KD
Keypad for local annunciation and controls; status LEDs and 24 user-programmable buttons.

DVC-AO
Optional DVC Analog Output board provides four analog output circuits for use with analog amplifiers. Four-channel operation supported.

DVC-AOI
Connects to DVC-AO to interface to third party amplifiers.

DVC-DAA2-5070E
50W. Digital audio amplifiers with charging power supply, and 4 audio outputs, shipped, mounted on chassis. RM-1 port, Aux audio port. Supports optional DBA for backup amplifier or 2-channel operation, and DS Fibre modules.

DVC-BDA-70
Backup Digital Amplifier, 70.7VRMS, can be configured to act as a one-to-one backup for DAA2 series amplifiers. For DAA2 Series only, supports alternative second channel operation.

DVC-DS-FM
Fiber option module for multi-mode fibre. Converts a wire DAP (digital audio port) to a multi-mode fibre port.

DVC-SFM
Fibre option module for single-mode fibre. Converts a wire DAP (digital audio port) to a single-mode fibre port.

NSW
18-20 Brookhollow Ave
NORWEST 2153
02 8850 2888
sales@firesense.com.au

VIC
Unit 4, 297 Ingles St
PORT MELBOURNE 3207
03 9646 4557
salesvic@firesense.com.au

QLD
Unit 2, 225 Queensport Rd North
MURARRIE 4172
07 3890 8842
salesqld@firesense.com.au

www.**firesense**.com.au

TECHNICAL SPECIFICATIONS

System Capacity	**Distributed Amplifiers:** 32 **Analog audio outputs via DVC-AO:** 4
DC Power	24Vdc, DVC-EM (300mA), DVC-KD (60mA), DVC-AO (175mA), Fibre Module (60mA)
24Vdc Power (TB1)	24Vdc, 1.0A, non-resettable, power-limited by the source **Recommended wiring:** 2.00 to 075mm^2 twisted-pair
Digital audio ports, single- and multi-mode fibre optic media	**DS-FM and DS-SFM fibre option module (no direct DAA connection):** • 6.5dB maximum attenuation for multi-mode with 50/125um cable @ 1310nm • 10dB maximum attenuation for multi-mode with 62.5/125 micrometer cable @ 1310nm • 30dB maximum attenuation for single-mode with 9/125 micrometer cable @ 1310nm **DS-SFM (single-mode fibre DAA connection):** • 17dB maximum attenuation for single-mode with 9/125 micrometer cable at 1310nm going from the DS-SFM to the fibre DAA
Auxiliary Input A (AUX A, TB4)	**Signal strength from low-level analog audio input:** 1.0VRMS maximum, or 1.41Vp-p. Optional supervision is selectable through programming. **Recommended wiring:** 0.75mm^2 twisted-pair; max 2.00mm^2. Auxiliary input must be in the same room as the DVC.
Auxiliary Input B (AUX B, TB14)	**Signal strength from low-level analog audio input:** 12Vp-p nominal, 15Vp-p maximum. Optional supervision is selected through programming. **Recommended wiring:** 0.75 to 2.0mm^2 twisted-pair
Remote Microphone Interface (TB9)	Power limited. Maximum distance between remote microphone and DVC: (300m) **Recommended wiring:** 2.00 to 0.75mm^2 twisted-pair
Push-to-talk Interface (TB10)	Dry contact. **Recommended wiring:** 2.00 to 0.75mm^2 twisted pair
Alarm Bus (TB12)	Power-limited by source **Recommended wiring:** 2.00 to 0.75mm^2 twisted pair
Optional DVC-AVO Analog Audio Output Circuits (TB5, TB6, TB7 and TB8)	Supervised, power-limited outputs. **Signal strength:** +12Vp-p nominal, +15Vp-p maximum. **Recommended wiring:** 0.75mm^2 twisted-pair; max. 2.00mm^2 **Maximum impedance:** 66 Ohms.
Temperature & Humidity	This system has been certified for operation at 0º to 49ºC and at a relative humidity 93% ± 2% at 32ºC