

crystalHDV*

TX/TP RANGE



HDV - HIGH DEFINITION VOICE

The Crystal HDV* Tx / Tp (SIP) Session Initiated Protocol IP desk phones offer an unrivalled range of next generation High Definition Voice terminals.

AUDIO CONFERENCE QUALITY

The Crystal HDV range supports wideband audio codec G.722, enabling conference quality audio between any of the Crystal HDV terminals. As expected all of the Crystal HDV terminals support a wide range of well know Codecs G.711, G.729AB, G.726, G.723.1/iLBC, GSM, this ensures no extra cost in license charges. The built in full duplex handsfree supports Acoustic Echo Control(AEC) allowing high quality conference calling supported by QoS via 802.1 p/q.

BROAD RANGE OF TERMINALS

The Crystal HDV terminals offer a wide and clear choice for enterprise deployment. The HDV40 offers an Executive choice with up to 16 programmable keys and support for 6 active SIP voice accounts. The HDV30 is a mid-range terminal delivering Executive features with a mid-range price and capacity. Finally our entry level terminals the HDV20 and HDV10 offer a solution that will appeal to the price conscious customer without the need to compromise on quality and capacity.

*1. HDV is subject to compatible networks and devices
2. Codec negotiate will allow point to point HDV
3. IP to PSTN does not support HDV

TEXAS INSTRUMENT CHIPSET

The Crystal HDV range of end-point IP phone solutions offer a wide range of features, including the integration of Texas Instruments (TI) powerful DSP technology, often used by other mainstream manufacturers such as Polycom and Cisco. The Crystal HDV also features the field-proven Telogy Software™ for VoIP ensuring all the terminals are best in technology. The platform's superior architecture, powerful processing technology and increased expandability allows the Crystal range to differentiate itself from other competitors models.

FLEXIBLE DEPLOYMENT

The Crystal HDV range supports a wide range of standard and customisable features. Remote provisioning can be managed by TR069 FTP/TFTP /HTTP and SNMP protocols effectively easing the service deployment, upgrade, and maintenance of the terminals.

KEY FEATURES

The Crystal HDV Tx range are provided with traditional power supplies with the option to upgrade to the Tp range for Power over Ethernet (PoE). As standard each device comes with a two port 10/100 Mbps Ethernet Switch. All Crystal HDV terminals can support an external headset.

CRYSTAL HDV FOR OPERATORS

The Crystal HDV range can be offered to service providers and Operators with an optional branding service. Create your own brand to your customers with soft branding on the handsets as well your own customisation on the LCD screens and internal XML menu. For volume orders screen printing is available.

INTEROPERABILITY

The Crystal HDV products comply to and are Broadsoft certified for IP Centrex services as well as being interoperable with major IP-PBX such as Asterisk, Cisco, Avaya and Philips. Deployed in major IMS/NGN systems: Huawei, ZTE, Ericson, Alcate-Lucent, Cisco.

FEATURES OVERVIEW

- Up to 6 SIP accounts
- High Definition Voice G.722
- Up to 16 programmable keys / 4 Soft keys
- 2 10/100 Lan ports
- Headset Jack
- Customisation
- XML configurable access
- Remote provision
- Duplex speaker phone

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CRYSTAL HDV40
6 LINE IP PHONE



CRYSTAL HDV30
3 LINE IP PHONE



CRYSTAL HDV20
3 LINE IP PHONE



CRYSTAL HDV10
2 LINE IP PHONE

KEY FACTS

- SIP 2.0 (RFC3261) •
- Stylish & Elegant Design •
- High Definition Voice (HDV) •
- G.722 Wideband Codec •
- Functional Richness •
- Multiple User Accounts •
- Up to 16 Programmable Keys •
- Online XML Menu •
- Customised Branding •
- Online Phone Book •

PHONE FEATURES

- Call Hold •
- Call Waiting •
- Call Forwarding •
- Call Transfer •
- Do Not Disturb (DnD) •
- Voice Mail •
- Speed Dial •
- Flash •
- Volume Adjustment •
- Ring Selection •

NETWORK FEATURES

- Stun •
- QoS IEEE 802.1p/Q •
- Layer 3 ToS •
- In-band DTMF •
- Out-of band RFC2833 DTMF •
- Proxy mode •
- Peer-to-Peer SIP Link •

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