

Panasonic



# SUPERIOR PERFORMANCE

**KX-HDV** SIP DESK PHONE SERIES

KX-HDV SERIES

# COST SAVINGS WITHOUT COMPROMISE

The innovative KX-HDV series of SIP desk phones brings you exceptional communication performance, faultless reliability and long-term cost savings in one complete package.

Able to connect to multiple lines while offering crystal-clear HD voice, bright LCD technology and certified with BroadSoft™ and Metaswitch Networks®, this world-leading and versatile range now boasts touchscreen capability and desktop video communication.

## KX-HDV430

### Flexible Visual Communication

The versatile KX-HDV430 marks the high-end addition to Panasonic's now complete range of desk phones, thanks to its built-in video camera, offering multiway video communication and remote visual monitoring. Low-cost maintenance, easy installation and long-term reliability ensure this advanced model remains a cost-effective solution that is ideal for use in both office and home environments.

- 16-line SIP phone
- Built-in video camera
- 4.3" color TFT LCD touch panel
- Ability to link with an IP camera\*
- 24 flexible function keys with optional expansion to up to 224 keys
- HD voice with wideband audio
- Support for UC features including BroadSoft
- Built-in Bluetooth®

\*Only Panasonic IP camera models KX-NTV150 and KX-NTV160 and select Panasonic IP Network Cameras. Contact your Panasonic Sales Manager for a current list of supported cameras.



Color TFT touch panel



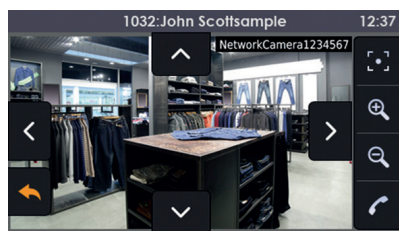
Video communication



IP camera linking feature\*



HD voice quality



#### Linking with an IP camera

The display on the phone, used as a monitor, makes it easy to confirm any situation, providing flexible crime prevention and on-site management.



#### Color TFT Touch Panel

Easy confirmation of BroadSoft UC-One presence.



#### Video Communication

Up to three people can communicate for fast and easy mini-videoconferences.

## KX-HDV20

### Optional Expansion Module

The sleek, ultra-modern design, available in black or white color options, works well with any office decor.



- 40 DSS (20 buttons x 2 pages) for Direct Station Selection
- Pre-programmable one-touch number dialing
- 5" self-labeling LCD
- Connects directly to the KX-HDV230/330/430

## KX-HDV330

### Business Communication at your Fingertips

The Panasonic KX-HDV330 delivers affordable high quality with the added-value features of a touchscreen LCD panel, increased function keys and the ability to connect to up to 12 lines. As with all products in the desk phone series, low-cost maintenance, easy installation and long-term reliability mean that the KX-HDV330 is both a cutting-edge and cost-effective solution, whatever your business size.

- 12-line SIP phone
- 4.3" color TFT LCD touch panel
- Built-in Bluetooth®
- 24 flexible function keys with optional expansion to up to 224 keys
- Full-duplex speakerphone
- HD voice with wideband audio
- Support for UC features including BroadSoft



Color TFT touch panel



Built-in Bluetooth®



HD voice quality



Multiple lines / function keys

## KX-HDV230

### Multiple Features, Minimal Cost

The KX-HDV230 offers lower cost of ownership and improved return on investment while still bringing the communication excellence that's vital to the small business environment.

- 6-line SIP phone
- 2.3" main LCD screen
- 5" self-labeling LCD
- HD voice with wideband audio
- Full-duplex speakerphone
- Support for UC features including BroadSoft UC-One/uaCSTA
- 2 LAN Gigabit Ethernet ports



Improved usability and flexibility



24 function keys with self-labeling



HD voice quality



Large, easy to read LCD with backlight

## KX-HDV130

### Flexible Features for Cost-Conscious Businesses

The Panasonic KX-HDV130 IP desk phone delivers the ideal balance of low-cost/high quality with a range of value-added features. Designed to suit business buyers who demand budget-friendly technology that provides reliable, flexible performance the KX-HDV130 makes professional-grade communications more accessible than ever.

- 2-line SIP phone
- 2.3" LCD screen
- HD voice with wideband audio
- Full-duplex speakerphone
- Support for UC features including BroadSoft UC-One/uaCSTA
- 2 x LAN ports



Flat and slim design



HD voice quality



Line and programmable keys



2.3" LCD screen

## Specifications



	KX-HDV430	KX-HDV330	KX-HDV230	KX-HDV130
<b>PHONE FEATURES</b>				
LCD screen	4.3" color TFT LCD touch panel	4.3" color TFT LCD touch panel	2.3" main LCD and 5" self-labeling LCD	2.3" LCD screen
Flexible function keys	24 flexible function keys with self-labeling <sup>*1</sup>	24 flexible function keys with self-labeling <sup>*1</sup>	24 flexible function keys with self-labeling <sup>*1</sup>	2 flexible function keys
Anonymous call (CLIR), Anonymous call rejection	Yes	Yes	Yes	Yes
Call forward, Call hold, Call transfer, Call waiting	Yes	Yes	Yes	Yes
Caller ID (CLIP, CNIP), Caller ID blocking	Yes	Yes	Yes	Yes
Distinctive ring	Yes	Yes	Yes	Yes
Do not disturb	Yes	Yes	Yes	Yes
Ring selection	Yes	Yes	Yes	Yes
Local phonebook	Up to 2,500 numbers (500 items x 5 numbers)	Up to 2,500 numbers (500 items x 5 numbers)	Up to 500 numbers	Up to 500 numbers
LDAP/XML remote phonebook	Yes	Yes	Yes	Yes
Blacklists	Up to 30 lists	Up to 30 lists	Up to 30 lists	Up to 30 lists
Built-in Bluetooth®	Yes	Yes	No	No
<b>IP FEATURES</b>				
SIP Accounts	16	12	6	2
IP Version	IPv4, IPv6	IPv4, IPv6	IPv4, IPv6	IPv4, IPv6
NAT traversal [STUN   Rport [RFC3581]   Port Punching]	Yes	Yes	Yes	Yes
Embedded web server	Yes	Yes	Yes	Yes
QoS [Layer 3 ToS DSCP   802.1p   Q tagging [VLAN]]	Yes	Yes	Yes	Yes
<b>AUDIO FEATURES</b>				
HD voice	Yes	Yes	Yes	Yes
Wideband codec	G.722	G.722	G.722	G.722
Narrowband codec	G.711a-law, G.711μ-law, G.729a	G.711a-law, G.711μ-law, G.729a	G.711a-law, G.711μ-law, G.729a	G.711a-law, G.711μ-law, G.729a
DTMF	In band, Out band (RFC2833), SIP INFO	In band, Out band (RFC2833), SIP INFO	In band, Out band (RFC2833), SIP INFO	In band, Out band (RFC2833), SIP INFO
Full duplex speakerphone	Yes	Yes	Yes	Yes
AEC / PLC	Yes	Yes	Yes	Yes
BroadSoft compatible <sup>*2</sup>	Yes	Yes	Yes	Yes
<b>INTERFACE</b>				
Ethernet port	2 x 10/100/1000 Mbps	2 x 10/100/1000 Mbps	2 x 10/100/1000 Mbps	2 x 10/100 Mbps
<b>VIDEO FEATURES</b>				
Video codec	H.264	No	No	No
Video call format	QCIF, QVGA, CIF, VGA, 720p	No	No	No
Frame rate selection	Up to 30fps	No	No	No
Ability to link with IP camera <sup>*3</sup>	Yes	No	No	No

### KV-HDV20

Optional Expansion Module (DSS)



LCD	160 x 384 dot monochrome graphical display with backlight LED (self-labeling for 20 x flexible function keys)
LED hardware key	40 x flexible function key LEDs (red/blue) 40 x flexible function key LEDs (1 x page toggle key for self-labeling display)
Control interface	2 x USB signal on RJ11 (6P6C) (one is input, another is output)
Power supply	From host phone (HDV230/HDV330/HDV430) <sup>*4</sup>

<sup>\*1</sup> Up to 224 keys with optional expansion module.

<sup>\*2</sup> Basic call feature, missed calls display, N-way conference, Busy Lamp Field, call center, call park notification, click-to-call, Feature Key Synchronization, shared call appearance, BroadSoft Xsi, BroadSoft Presence, BroadSoft Xsi Phonebook.

<sup>\*3</sup> Only Panasonic IP camera models KX-NTV150 and KX-NTV160.

<sup>\*4</sup> AC Adaptor Required for HDV phone + HDV20(s).