

# Falcon

*An easy to use, set-top appliance for group videoconferencing.*

**Models**

- Falcon Model 1
- Falcon Model 3

**Additional Features**

- Moveable Picture in Picture (PIP)
- Auto swap PIP
- Manual dial, phone book and speed dial

**Key MXM Features**

- Call transfer
- Ad-hoc conferencing
- Hunting groups
- Simplified gateway dialing
- Remote software upgrade
- Remote configuration
- Remote call initiation (ISDN/IP)
- Remote reboot
- View ISDN status
- Endpoint property setting lockout

**Optional Accessories**

- 29" TV monitor
- Rollabout cart
- Document camera

The VCON Falcon is a robust, yet simple to use videoconferencing system that represents an excellent all-around solution for the enterprise-wide network. The Falcon has an intuitive on-screen interface and is operated by a handheld remote control; starting a videoconference is as easy as pointing and selecting a number to dial. Connect a laptop/PC to the Falcon, and collaboration or sharing of documents becomes possible. Users will find that using the Falcon to add a visual dimension to a team meeting is seamless, and takes communication with remote groups and teams to a more personal and interactive level.

- Dual-mode communication support (IP and ISDN) provides investment protection
- VCON PacketAssist™ architecture for enhanced Quality of Service (QoS) over IP
- Easy to install with color coded cables that connect to any standard TV
- Data collaboration with an easy hook up to a PC or laptop allows for multimedia presentations during a meeting

## *Integrated Multicast Streaming*

Unlike other set-top videoconferencing systems in the market, the Falcon includes Interactive Multicast technology. With Interactive Multicast, the source for an audio/video stream can be moved among various participants during the multicast, allowing interactivity on an unprecedented scale. Falcon set-tops can participate in an interactive multicast session by dialing in or by being joined in by the Chair of the multicast. VCON's Interactive Multicast technology delivers new, cost-effective opportunities for communications applications, and is particularly beneficial in corporate communications, training and distance learning settings.

## *The MXM Difference*

As part of an integrated VCON Media Xchange Manager™ (MXM) solution, the Falcon takes on additional functionality. In an ISDN deployment, the MXM administrator can remotely initiate calls for the Falcon, remotely configure and upgrade the system and can view the status of ISDN calls in progress. Additionally in an IP deployment, the Falcon receives video telephony features such as video call transfer, ad-hoc conferencing, and simplified gateway dialing. These value-add MXM features make the Falcon a truly integrated videoconferencing solution.



*The VCON Falcon delivers advanced performance over IP and ISDN networks in a compact, affordable appliance.*

## Falcon

### What's in the box?

- Falcon set-top unit
- Handheld remote control
- Tabletop microphone
- Quick reference card
- User's guide
- Color-coded cables
- Serial cables
- Universal power supply

### Specifications

#### Standards Supported

ITU-T: H.320, H.323

#### Video Standards

H.261, H.263, Annex D

#### Audio Standards

G.711, G.728, G.722

#### Other ITU-T Standards

H.281 (H.320 Far End Camera Control)  
Annex Q (H.323 Far End Camera Control)  
H.221  
H.243  
T.120 (data collaboration over ISDN)

#### Transmission speed

	H.320	H.323
Model 1	56/64K - 128K	128K - 768K
Model 3	56/64K - 384K	128K - 768K

#### Video Resolution

CIF (352 x 288 pixels)  
QCIF (176 x 144 pixels)

#### Graphics Resolution

Image capture: bmp file via web server

#### Audio features

Full duplex echo cancellation  
Automatic gain control  
Automatic noise suppression

#### Video Inputs (NTSC or PAL)

Main camera  
S-video (document camera)  
Composite (2nd camera)  
VCR (Composite)

#### Video Outputs (NTSC or PAL)

Main monitor (S-video or composite)  
Composite (2nd monitor)  
VCR (Composite)

#### Audio Inputs

Mini stereo for tabletop mic  
Line level (RCA - VCR)

#### Audio Outputs

Line level (RCA - Monitor)  
Line level (RCA - VCR)

#### PTZ Camera Unit

1/4 inch color CCD  
NTSC - 768 x 495 pixels  
PAL - 752 x 585 pixels  
Focal length: 4.2mm to 44mm  
10x zoom range

#### Streaming Capabilities

Stream via VCON Interactive Multicast

#### Environmental

0 - 40°C temperature  
15 - 80% humidity

#### Electrical

Auto sensing power supply  
Operating voltage:  
100-250VAC / 50-60Hz

#### Physical Size

34cm x 18.5cm x 11cm  
1.8kg in weight

#### Languages Supported

English, French, German, Italian, Russian, Spanish  
(Spain and Latin), Portuguese (Brazil and Portugal),  
and Japanese

#### VCON Headquarters

Tel: +972 9 959 0059  
Fax: +972 9 956 7244

#### VCON Americas

Tel: +1 512 583 7700  
Fax: +1 512 583 7701

#### VCON Europe

Tel: +49 89 614 57 0  
Fax: +49 89 614 57 399

#### VCON China

Tel: +86 10 65269791  
Fax: +86 10 65269790

#### VCON France

Tel: +33 155 840 175  
Fax: +33 155 840 179

#### VCON Germany

Tel: +49 89 614 57 0  
Fax: +49 89 614 57 399

#### VCON Italy

Tel: +39 06 545 50 217  
Fax: +39 06 592 09 24

#### VCON Spain

Tel: +34 91 789 3438  
Fax: +34 91 570 7199

#### VCON United Kingdom

Tel: +44 1256 316 586  
Fax: +44 1256 316 585

www.vcon.com