



TANDBERG FieldView™

Fully integrated, wireless handheld video device for use anywhere your workforce needs to be. Visually exchange critical information with remote engineering or home office support to assess and resolve issues in real time. Reduce downtime and equipment failure, survey construction sites and report critical medical information directly from the scene.



Two-way annotation capabilities enable users to highlight areas of a still image on the device and stream them to the expert at the PC — or vice versa.

DESIGN FEATURES

- Designed to deliver the ultimate portability in video collaboration
- Handheld device
- Lightweight — 1.5 pounds (720 grams)
- Ergonomic design with non-slip handgrips
- High resolution viewfinder with touch screen support
- Intuitive user interface for ease of use
- Integrated LED-based illumination

APPLICATION FEATURES

- Integrated 802.11 b/g wireless LAN
- Device and software optimized for real time two-way voice and one-way video collaboration
- Two-way annotation capabilities enable users to highlight elements of still images on the device and PC
- Ability to control major camera features from both the device and PC — zoom, focus, freeze frame, illumination
- Record and store video streams on an SD memory card

PERFORMANCE FEATURES

- Up to 2.5 Mbps bandwidth
- Video resolution up to 720 x 480 at 30 fps
- 10 x optical zoom
- Far end camera control
- Minimum working distance 10 mm
- Two-way audio (VoIP) support in both speakerphone and headset modes

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UNIT DELIVERED COMPLETE WITH INTEGRATED DEVICE WITH BUILT IN:

High-quality camera
3.5" touch LCD
Speaker
Microphone
Light
WLAN radio

ALSO INCLUDED:

Windows-based PC client
Rechargeable battery
Stylus for touch screen
Power supply for recharging

USABILITY FEATURES

Ergonomical handheld device
Non-slip hand grips
Integrated LED-based illumination
Integrated water resistance doors for all external connectors
Mount for tripod

PRIVACY FEATURES

1x headset 3.5 mm jack
Mic off/mute functionality

CAMERA

CCD image sensor — capable of high-precision close-up video
10x optical zoom, f=4.2 mm (wide) to 42 mm (tele), F1.8 to F2.9
10 mm minimum working distance (wide end)
1000 mm minimum working distance (tele end)
1.5 lx (50 IRE) minimum illumination
Automatic white balance
Manual or automatic focus

LIVE VIDEO RESOLUTION AND STANDARDS

MPEG-4 Simple Profile @ L3
User-selectable resolutions and frame rates up to D1 (720 x 480) at 30 fps

BANDWIDTH

Up to 2.5 Mbps

USER INTERFACE & FEATURES

3.5" LCD (4:3)
VGA (640 x 480) display/viewfinder
Integrated touch screen
User-friendly graphical user interface
Dedicated call send and end buttons — simple end-user experience much like a cellular telephone
Freeze frame button
Stream button — video stream can be started and stopped by pushing one button
Four-way, context-sensitive cursor pad buttons (includes volume controls, microphone mute and illumination control)
Media record button
Manual focus button
OSD (On Screen Display) button for easy access to status and other information
Integrated contacts directory
End user selectable streaming parameters
LED indicators for power, stream/record, power/charging and network link

COLLABORATION FEATURES

Form factor and software optimized for real time voice and video collaboration related to subject matter being recorded by the device
Annotation/Televation: Enables device and PC users to draw on top of the video or frozen image — both "ends" of the conversation see the drawing simultaneously
Remote control of major camera features — zoom, focus, freeze frame, illumination and stream parameters

AUDIO FEATURES

Omni-directional microphone for VoIP support
Directional microphone for capture of subject audio while minimizing pickup of unwanted sounds
Wired and wireless headset support ideal for high-noise environments
Speakerphone with acoustic echo cancellation
Silence suppression of VoIP communications to minimize network bandwidth utilization
Dynamic jitter buffer adjusts to changing network conditions to balance low latency with a low voice dropout rate

AUDIO STANDARDS

VoIP: G.711, G.723, GSM
Subject Audio: ISO/IEC MPEG-1 Layer III (MP3)

SECURITY FEATURES

User ID and password control
WLAN Network Authentication: WPA, WPA-PSK or open

EMBEDDED ENCRYPTION

WLAN Data Encryption: WEP, TKIP or disabled
Hardware-based AES-128 stream encryption

EXTERNAL INTERFACES

SD Memory Card
S-video in
AC power in
Headset
10/100 Mbps Ethernet
USB host
Audio Line-in

IP NETWORK FEATURES

IP calls — SIP
Integrated 802.11 b/g radio

NETWORK INTERFACE

RJ-45 Network LAN
1xLAN/Ethernet (RJ-45) 10/100 Mbps
WLAN 802.11 b/g

POWER

Rechargeable 2400 mAh Li-Ion battery pack
External AC power

OPERATING TEMPERATURE

0-50° C

STORAGE AND TRANSPORTATION TEMPERATURE

-20-60° C

PC CLIENT SOFTWARE

Displays video from remote camera
Supports automatic resizing according to video stream parameters
Full duplex VoIP support
Remote control of camera illumination, freeze frame, zoom, manual focus and stream parameters
Televation — remote drawing support
Easy-to-use connection manager — familiar instant-messaging-like user interface

LANGUAGES

English

DIMENSIONS

Size — 174 (6.85") mm wide x 96.0 (3.78") mm high x 87.1(3.43") mm deep
Weight — 720 grams (1.59 pounds)

All specifications subject to change without notice, system specifics may vary.

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TANDBERG FIELDVIEW™: HOW IT WORKS



WORKPLACE ISSUE



REALTIME STREAMING MULTIMEDIA VIA WIFI COLLABORATION SESSION

TECH EXPERTS AND REMOTE OPERATORS



HANDHELD FORM FACTOR



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FieldView™

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