



# 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**



**TANDBERG**

**FieldView™**

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