

SPECIFIKACIJA PROIZVODA

Partija 4 – Univerzitet u Kragujevcu

1. Video konferencijski Sistem - LifeSize Icon 600

SYSTEM COMPONENTS

Lifesize Icon 600 video system

Lifesize Camera 10x (Optional)

Lifesize Phone HD, Phone, 2nd Generation, or Digital MicPod (Optional)

Remote control

Power supply/cables

COMMUNICATIONS

SIP, H.323, 128 Kbps–6.0 Mbps

1 x RJ-45 Network LAN 10/100/1000

1 x Lifesize Link for 2x Lifesize Digital MicPod and/or Lifesize Phone HD or Phone, 2nd Generation

SUPPORT FOR UP TO TWO DISPLAYS

Any 720p or 1080p HD displays supporting HDMI input

HD 1080P60 PTZ CAMERA (OPTIONAL LIFESIZE CAMERA 10X)

Wide-angle zoom lens with 70-degree field of view

Up to 10x optical zoom

Auto focus/automatic gain control

10 camera presets (near or far end)

Standard 3.0 m HDMI cable

VIDEO SPECIFICATIONS

Maximum resolution 1920x1080, 16:9 aspect ratio1

All resolutions progressive scanning up to 60 frames per second

Over 200 resolutions supported

Example bitrates and resolutions (H.264 High Profile, AAC-LD):

600 Kbps (720p30)

820 Kbps (720p60)

1.2 Mbps (1080p30)

1.7 Mbps (1080p60)

VIDEO STANDARDS

H.264 High Profile, H.264 Baseline Profile, H.263+, H.263

VIDEO INPUTS (2 INPUTS)

1 x HD Video In (up to 1080p60) HDMI enabled

1 x DVI-I In (up to 1080p60) HDMI/VGA enabled

VIDEO OUTPUTS (2 OUTPUTS)

1 x HD Video Out (up to 1080p60) HDMI enabled—primary display

1 x DVI-I Out (up to 1080p60) HDMI/VGA enabled—secondary display

FULLY INTEGRATED, HD AUDIO CONFERENCE PHONE (OPTIONAL)

90 Hz up to 22 kHz frequency support

Audio pickup range up to 4.57 m (15 ft.)

COMING - COMPUTER ENGINEERING d.o.o.

Toše Jovanovića 7
11030 BEOGRAD, SERBIA
Tel./Fax. +381 11 3544644

Tax. No. SR101032283

Reg. No. 01109085262

Account :

205-18364-92 [KOMERCIJALNA BANKA]
170-0000300226000-91 [HVB BANK]
265-1100310005099-78 RAIFF.BANK

Powered by Lifesize Icon 600 directly through Lifesize Link cable
Touchscreen user interface
Manage HD video, audio and presentation
Additional support for up to two Lifesize Digital MicPods
Optional 4 m and 15 m cables available

FULLY INTEGRATED, HD AUDIO DIGITAL MICPOD (OPTIONAL)

90 Hz up to 22 kHz

Audio pickup range up to 4.57 m (15 ft.)
Powered by video system directly through 4 m Lifesize Link cable
Support for up to two Lifesize Digital MicPods
Optional 9 m and 15 m cables available

AUDIO FEATURES

WebRTC NetEQ packet loss concealment
Full duplex for natural conversations
Echo cancellation for echo-free calls
Automatic gain control
Automatic noise reduction

AUDIO STANDARDS

G.711, G.722, G.722.1 and G.722.1C licensed from Polycom®, MPEG-4-AAC-LC, MPEG-4 AAC-LD, Opus

AUDIO INPUTS (4 INPUTS)

1 x Mic/Line In (3.5 mm)
1 x Lifesize Link (Lifesize Phone HD or Phone, 2nd Generation, with optional Lifesize Digital MicPods)
1 x HD Video In
x DVI-I In

AUDIO OUTPUTS (4 OUTPUTS)

1 x Line Out/Headset
1 x Lifesize Link (Lifesize Phone HD or Phone, 2nd Generation)
1 x HD Video Out
1 x DVI-I Out

OTHER SUPPORTED STANDARDSH.221, H.224, H.225, H.231, H.239/BFCP, H.241, H.242, H.245, H.281, RFC 3261, RFC 3264, RFC 2190,
RFC 3407, RFC 2833**USER INTERFACE & FEATURES**

Simplified user interface
Heads-up remote control
Seamless call escalation to a group call
Graphical user interface administration console
Multiple languages supported

COMING - COMPUTER ENGINEERING d.o.o.

Toše Jovanovića 7
11030 BEOGRAD, SERBIA
Tel./Fax. +381 11 3544644

Tax. No. SR101032283

Reg. No. 01109085262

Account: :

205-18364-92 [KOMERCIJALNA BANKA]
170-0000300226000-91 [HVB BANK]
265-1100310005099-78 RAIFF.BANK

Do Not Disturb mode

Video mute

Picture-in-picture

LIFESIZE CLOUD-BASED SERVICE2

Seamless call escalation for video and voice participants

Calendar, meeting directory, favorites, unified searchable directory

Automatic provisioning

Guest calling

Single button recording and sharing

Mobile calling

Video network management

Secure firewall traversal, plus NAT

Automatic software updates

SECURITY

Ability to disable HTTP, SSH services

H.235 (AES) encryption support including strict compliance

TLS/SRTP support

Kensington Security Slot

INTELLIGENT NETWORKING FEATURES

Adaptive motion control (AMC) including forward error correction
(FEC) for superior video quality in all network conditions

NAT/firewall traversal (H.460/SIP)

Auto bandwidth detection

DIRECTORY & ADDRESS BOOK

Up to 10,000 directory entries

Global search tool

LDAP support/H.350 compliant

Calendar/meeting directory support

H.323 URI dialing support (Annex O)

SYSTEM MANAGEMENT

Web interface

Auto configuration

SNMP

Backup and restore capability

2 x USB 3.0

Serial support

VISCA™ support

POWER

AC voltage 100–240V, 50–60 Hz, 2.5A via external power supply

COMING - COMPUTER ENGINEERING d.o.o.

Toše Jovanovića 7
11030 BEOGRAD, SERBIA
Tel./Fax. +381 11 3544644

Tax. No. SR101032283

Reg. No. 01109085262

Account: :

205-18364-92 [KOMERCIJALNA BANKA]

170-0000300226000-91 [HVB BANK]

265-1100310005099-78 RAIFF.BANK

ENVIRONMENTAL DATA

Operating temperature: 0°C (32°F) to 40°C (104°F)

Operating humidity: 15% to 85%, noncondensing

Storage temperature: -20°C (-4°F) to 60°C (140°F)

Storage humidity: 10% to 90%, noncondensing

VIDEO DEVICE DIMENSIONS

Width: 365 mm (14.37 in.)

Depth: 163 mm (6.42 in.)

Height: 43.8 mm (1.72 in.)

Weight: 1.53 Kg (3.37 lbs)

MOUNTING OPTIONS

Mounting holes: 2 x M5 screw holes 307 mm (12 in.) apart

Mounting screws: 2 x M5 screws (Max insertion depth: 3.8 mm)

LifeSize Icon 600-DSS-1 yr

LifeSize Small Account - 1 yr

2. Desktop - CPU AMD Ryzen 7 8C/16T 2700**SPECIFICATION + Monitor**

CPU AMD Ryzen 7 8C/16T 2700 (4.1GHz, 4MB, 65W, AM4)

Gigabyte AMD MB GA-A320M-H 1.1 AM4

SP512GBP34A80M28 SSD Silcion power

DDR4 16GB 3200MHz Patriot Viper Steel Series PVS416G320C6

Gigabyte NVD GT 710 2GB DDR3 64bit GV-N710D3-2GL 2.0

Zeus K101 600w

WIN PRO 10 OLC OA3 FQC-08797

MONITOR Philips 243V7QDSB/00

Technical Specifications

Picture/Display

LCD panel type

IPS technology

Backlight type

W-LED system

Panel Size

23.8 inch / 60.5 cm

Effective viewing area

527.04 (H) x 296.46 (V)

Aspect ratio

16:9

Optimum resolution

1920 x 1080 @ 60 Hz

Pixel Density

93 PPI

COMING - COMPUTER ENGINEERING d.o.o.

Toše Jovanovića 7
11030 BEOGRAD, SERBIA
Tel./Fax. +381 11 3544644

Tax No. SR101032283

Reg. No. 01109085262

Account :

205-18364-92 [KOMERCIJALNA BANKA]

170-0000300226000-91 [HVB BANK]

265-1100310005099-78 RAIFF.BANK

Response time (typical)

4 ms (GtG)*

Brightness

250 cd/m²

SmartContrast

10,000,000:1

Contrast ratio (typical)

1000:1

Pixel pitch

0.275 x 0.275 mm

Viewing angle

○ 178° (H) / 178° (V)

○ @ C/R > 10

Flicker-free

Yes

Display colors

16.7 M

Scanning Frequency

30 -83 kHz (H) / 56 -76 Hz (V)

LowBlue Mode

Yes

sRGB

Yes

Connectivity

Signal Input

VGA (Analog)

DVI-D (digital, HDCP)

HDMI (digital, HDCP)

Sync Input

Separate Sync

Sync on Green

Audio (In/Out)

PC audio-in

Headphone out

Convenience

Built-in Speakers

2W x 2

User convenience

Power On/Off

Menu/OK

Volume/Up

Input/Down

SmartImage/Back

OSD Languages

Brazil Portuguese

Czech

COMING - COMPUTER ENGINEERING d.o.o.

Toše Jovanovića 7
11030 BEOGRAD, SERBIA
Tel./Fax. +381 11 3544644

Tax. No. SR101032283

Reg. No. 01109085262

Account: :

205-18364-92 [KOMERCIJALNA BANKA]
170-0000300226000-91 [HVB BANK]
265-1100310005099-78 RAIFF.BANK

Dutch
English
Finnish
French
German
Greek
Hungarian
Italian
Japanese
Korean
Polish
Portuguese
Russian
Spanish
Simplified Chinese
Swedish
Turkish
Traditional Chinese
Ukrainian
Other convenience
Kensington lock
VESA mount (100x100mm)
Plug & Play Compatibility
DDC/CI
Mac OS X
sRGB
Windows 10 / 8.1 / 8 / 7
Stand
Tilt
-5/20 degree
Power
On mode
13.82 W (typ.) (EnergyStar 7.0 test method)
Standby mode
0.5 W (typ.)
Off mode
0.5 W (typ.)
Power LED indicator
Operation - White
Standby mode- White (blinking)
Power supply
Built-in
100-240VAC, 50-60Hz
Dimensions
Product with stand (mm)
540 x 415 x 209 mm

COMING - COMPUTER ENGINEERING d.o.o.

Toše Jovanovića 7
11030 BEOGRAD, SERBIA
Tel./Fax. +381 11 3544644

Tax. No. SR101032283

Reg. No. 01109085262

Account :

205-18364-92 [KOMERCIJALNA BANKA]
170-0000300226000-91 [HVB BANK]
265-1100310005099-78 RAIFF.BANK

Product without stand (mm)

540 x 325 x 45 mm

Packaging in mm (WxHxD)

588 x 465 x 115 mm

Weight

Product with stand (kg)

3.50 kg

Product without stand (kg)

3.10 kg

Product with packaging (kg)

4.82 kg

Operating conditions

Temperature range (operation)

0°C to 40°C °C

Temperature range (storage)

-20°C to 60°C °C

Relative humidity

20%-80 %

Altitude

Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)

MTBF

50,000 (Excluded backlight) hour(s)

Sustainability

Environmental and energy

EnergyStar 7.0

EPEAT Gold

RoHS

○ Lead-free

○ Mercury Free

Recyclable packaging material

100 %

Compliance and standards

Regulatory Approvals

CU

SEMKO

cETLus

TUV/ISO9241-307

WEEE

TCO Certified

CE Mark

FCC Class B

ICES-003

RCM

UKRAINIAN

KCC

BSMI

COMING - COMPUTER ENGINEERING d.o.o.

Toše Jovanovića 7
11030 BEOGRAD, SERBIA
Tel./Fax. +381 11 3544644

Tax. No. SR101032283

Reg. No. 01109085262

Account: :

205-18364-92 [KOMERCIJALNA BANKA]

170-0000300226000-91 [HVB BANK]

265-1100310005099-78 [RAIFF.BANK]

TUV Cert. - blue light cut-off

Cabinet

Color

Black

Finish

Textured

3. Video projektor VIVITEK DH976-WT 4800 ANSI Lumne 15000:1 Contrast

Native Resolution 1080p (1920 x 1080)
Brightness 4800 ANSI Lumens
Contrast Ratio 15,000:1
Max. Supported Resolution WUXGA (1920x1200) @60Hz
Native Aspect Ratio 16:9
Lamp Life and Type 2,500/ 3,500/ 4,000 Hours (Normal /Eco/Dynamic Eco Mode) 310W/245W
Display Type Single 0.65" DLP Technology by TI
Chip Size 0.65" DMD
Throw Ratio 1.39 – 2.09
Image Size (Diagonal) 25.9" - 324.9"
Projection Distance 1.2m - 10m
Projection Lens F= 2.42 - 2.97, f = 20.9 - 31.05 mm
Zoom Ratio 1.5x
Lens Shift Range Vertical:111.2% - 130.8%, +/- 5%
Offset 115%, +/-10%
Keystone Correction Vertical +/- 30°
Speakers 3W
Video Compatibility SDTV(480i, 576i), EDTV (480p, 576p), HDTV (720p, 1080i/p), NTSC (M, 3.58/4.43 MHz), PAL (B, D, G, H, I, M, N), SECAM (B, D, G, K, K1, L)
I/O Connection Ports VGA-In (15pin D-Sub) (x2), HDMI Number of Ports (x2), Display Port (1x), S-Video (1x), Composite Video (1x), Audio-In (RCA) (1x), Audio-In (Mini-Jack) (1x), VGA-Out (15pin D-Sub) (1x), Audio-Out (Mini-Jack) (1x), RJ45 (1x), RS-232 (1x), 3D-Sync (1x), USB B (Service)
Dimensions (W x D x H) 332.8 x 255 x 114.6mm
Weight 3.95kg kg
Noise Level 36dB/30dB (Normal/Eco. Mode)
Power Power Supply: AC 110-240V, 50/60Hz. Power Consumption: 370W (Normal Mode), 300W (Eco. Mode), <0.5W (Standby Mode) , <6W (LAN Standby Mode)
3D Ready(DLP link, PC+Video) Yes
Spare Lamp P/N5811118436-SVV
Remote Control P/N 5041841300
Standard Accessories VGA Cable, User Manual (CD), Lens Cap, Carrying Case, Quick Start Guide, Warranty Card (by region), Remote Controller (with battery), AC Power Cord
Optional Accessories Spare Lamp P/N: 5811118436-SVV, Remote Control P/N: 5041841300
Warranty Standard Warranty: 3 years projector / 1 year on lamp or 1.000 hours whichever comes first
UPC Code 813097 021427

4. Document Camera Epson DC21

Camera:

Output Signals / Resolution:

VGA: SXGA (1280 x 1024), XGA (1024 x 768), WXGA (1280 x 800), HD (1360 x 768), 1080p (1920 x 1080)

USB: VGA, SVGA, XGA, SXGA, WXGA, 720p, 1080p

HDMI: 480p/720p/1080p

Frame Rate:

30 fps max.

Imaging Element:

Pick-up device: 1/2.7" CMOS sensor

Effective pixels: 1920 x 1080, 2 megapixels

White Balance: Auto

Exposure: Adjustable

Brightness: Adjustable

Lighting Source:

Upper: White LED x 2

Brightness: 250 lx or above @ A3 shooting area

Optics:**Lens:**F-number: 3.4-5 **Capture Area:**Max: 11.7" x 20.7" (at 1080p); 11.7" x 16.5" (at XGA) **Zoom:**10x digital zoom, 12x optical zoom **Focus:**Automatically with one-touch button **Iris:**250 lx or above @ A3 shooting area**Functions:****Image Rotation:**Camera Head Rotation: 180 degrees (Horizontal/Vertical) **Internal Memory:**SD card slot (SD/SDHC only) **User Functions:**Zoom, Freeze, Auto Focus, Focus Lock, LED, Brightness, Contrast, Negative, Black and White, Split Screen, Playback, Video Capture, Digital Scroll (pan/tilt), Flicker Reduction, Image Rotation, Source (PC/ DC), Auto-detect Aspect, Video Recording, Video Playing**Interface:**

Input Terminal:

HDMI

Computer In (VGA)

Display Out (VGA)

USB-B (for connection to PC/Mac®)

SD Card Slot1

Application Software:

Language:

13 languages

Driver:

TWAIN (for Windows)

Functions:

Rotation, Zoom (+, -, selectable, x1), Auto Focus, Freeze, Record, Time-lapse, Picture Control
(Brightness, Contrast, White Balance, Auto White Balance)

Saving Format:

Still Image: JPG, BMP, PNG

Video (Windows): AVI

Video (Mac): MOV

Other: PDF, EIT

General:

Operating Systems:

Windows® 7, Windows 8, Windows 10, Windows Vista®, Mac OS® X 10.7.x, 10.8.x, 10.9.x, 10.10.x,
10.11.x

Temperature:

41 ° to 95 °F (5 ° to 35 °C)

Humidity:

20 - 80%

Weight:

5.8 lb

Security:

Kensington® lock support, Metal security bar, Security mounting holes