

SPECIFIKACIJA PROIZVODA

PARTIJA 1 – Univerzitet u Nišu

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 ratio

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.)



KONKURSNA DOKUMENTACIJA ZA OBJEDINJENU NABAVKU OPREME,
za potrebe Univerziteta u Nišu, Univerziteta u Beogradu, Univerziteta u Novom Sadu i Univerziteta u
Kragujevcu partnera na ERASMUS+ projektu br. 598434-EPP-1-2018-1-RS-EPPKA2-CBHE-JP „
Strengthening Teaching Competences in Higher Education in Natural and Mathematical Sciences“
(TECOMP)

Broj nabavke 3/2019

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 STANDARDS

H.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]
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265-1100310005099-78 RAIFF.BANK



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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

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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. Interaktivni monitor Ctouch LASER SKY 55"**Product number**

Laser Sky 55 inch: 10052055

Touch system

Touch System: Adaptive touch

Touch Point: 32 Point

Touch tools: Hands or other solid (soft tip) object

Accuracy: ±2mm

Touch Resolution: 32768 x 32768 (pixels)

Interface: USB 2.0 compatible (full speed) HID compliant, Plug
& Play compatible. Backwards compatible with USB 1.1

Supported OS: Windows, Mac, Android and Chrome

Touch driver: Not required for 32 touch points (under
Windows); OSX needs drivers for gestures.**Panel**

Diagonal size: 54,64" (1387 mm)

Panel technology: TFT LCD

Panel resolution: 3840 x 2160

Frame rate: 60 Hz

Brightness: 350 cd/m²

Aspect Ratio: 16:9

Contrast Ratio (Static): 1200:1

Contrast Ratio (Dynamic): 5000:1

Response time: 9 ms

Display Colours: 1.07 Billion (10 bits)

Pixel pitch (WxH): 0.315 x 0.315 mm

Viewing Angle: 178° / 178°

Backlight type: Direct LED

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Broj nabavke 3/2019

Service Life: > 30.000 Hours

Installation: Landscape

Connectivity

Video input (digital): 3x HDMI 2.0, 1x DP 1.2

Video input (analog): 1x VGA

Audio input: 1x Mini Jack

Audio output: 1x S/PDIF Optical, 1x Mini Jack

USB: 4x USB 2.0

Touch: 2x USB-B

RS232C: 1x DB-9

LAN port: 1x RJ45 10/100/1000 BaseT

Video

PSM: Warm / Cool / Normal

Picture Mode: Dynamic / Standard / Soft / User

Freeze function: Yes

Backlight mute function: Yes

Sound - Designed, tuned and built by HARMAN

Transducers: 2 Stereo JBL® 3-Way Speakers (tweeter, mid-range
and woofer)

Amplifier power: 80 watts

Frequency range: 60Hz - 20kHz

JBL® LiveStage (Virtual) surround sound

Features

Pre-installed apps: UBoardMate, Browser, Aqua Mail,

Annotation app

Internal OPS slot: Yes, supports UHD@60Hz

Annotation: Yes, annotate over any software application

Gesture recognition: Yes, refer to the CTOUCH manual

HDCP compliance 2.2

Thickness of safety glass: 4 mm (hardness Mohs 7)

Network controllable input: 1x RS232C & 1x LAN IN

OSD

Touch OSD: Yes

OSD Language Function: Danish, Dutch, English, French,
German, Spanish

Power

Power Supply: AC 100-240 V 50 / 60Hz

Power Consumption (in Operation): 72W

Power Consumption (in Standby): <= 0.5 W

Ambient light sensor: Yes

Quality approvals

Regulatory approvals: CE, FCC

Green approval: Energy Star, RoHS complaint, WEEE

ISO Standard: ISO9001 and ISO14001

Dimensions & Weight

Product dimensions (WxHxD): 1305 x 788.1 x 111.7 (mm)

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Product weight: 38,5 kg

Vesa Mount (WxH): 400 x 400 (mm), M8 screw

Product accessories included

Accessories pack: power cable, USB cable, HDMI cable, remote control, 2 passive pens, Quick Start Guide & Warranty card

Logistics information

Box size (WxHxD): 1414 x 232 x 945 (mm)

Gross weight: 45 kg

EAN no.: 8719481480363

3. Štamač BW Konica Minolta Bizhub 227

COPIER SPECIFICATION

Copying process Electrostatic laser copy; indirect

Toner system Simitri® HD polymerised toner

Copy/print speed A4 mono (cpm) Up to 22 cpm

Copy/print speed A3 mono (cpm) Up to 14 cpm

Autoduplex speed A4 mono (cpm) Up to 22 cpm

1st Copy/print time mono (sec) 5.3 sec.

Warm-up time (sec) Approx. 20 sec.

Warm-up time may vary depending on the operating environment and usage

Copy resolution (dpi) 600 x 600 dpi

Gradations 256 gradations

Multi-copy 1 - 9,999

Original format A5 - A3

Magnification 25-400% in 0.1% steps; auto-zooming

Copy functions Chapter; cover and page insertion; proof copy (print and screen); adjustment test print; digital art functions; job setting memory; poster mode; image repeat; overlay (optional); stamping

PRINTING SPECIFICATION

Print resolution (dpi) 1,800 (equivalent) x 600 dpi

Page description language PCL 6 (PCL 5 + XL 3.0); PostScript 3 (CPSI 3016); XPS

Operating systems Windows VISTA (32/64)

Windows 7 (32/64)

Windows 8 (32/64)

Windows 8.1 (32/64)

Windows 10 (32/64)

Windows Server 2008/2008 R2 (32/64)

Windows Server 2012/2012 R2 (64)

Macintosh OS X 10.x

Unix; Linux; Citrix

Printer fonts 80 PCL Latin; 137 PostScript 3 Emulation Latin

Print functions Direct print of PCL; PS; TIFF; XPS; PDF (v1.7); encrypted PDF files and OOXML (DOCX; XLSX; PPTX); mixmedia and mixplex; "Easy Set" job programming; overlay; watermark; copy protection; carbon copy print

Mobile printing AirPrint (iOS); Mopria (Android); Google Cloud Print

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(optional); Wi-Fi Direct (optional); Konica Minolta Print
Service (Android); PageScope Mobile (iOS); NFC Authentication and Pairing (Android)

SCANEER SPECIFICATION

Scan speed colour (opm) Up to 45 ipm
Scan Speed mono (opm) Up to 45 ipm
Scan resolution (dpi) Max.: 600 x 600 dpi
Scan modes Scan-to-eMail (Scan-to-Me)
Scan-to-SMB (Scan-to-Home)
Scan-to-FTP
Scan-to-Box
Scan-to-USB
Scan-to-WebDAV
Scan-to-DPWS
Network TWAIN scan
File formats TIFF; PDF; Compact PDF; JPEG; XPS; Compact XPS; DOCX; XLSX; searchable PDF; PDF/A; linearized
PDF
Scan destinations 2,100 (single + group); LDAP support
Scan functions Annotation (text/time/date) for PDF; up to 400 job programs;Real-time scan preview

FAX SPECIFICATION

Fax standard G3
Fax transmission Analogue
i-Fax
Colour i-Fax (RFC3949-C)
IP-Fax
Fax resolution (dpi) Max.: 600 x 600 dpi (ultra-fine)
Fax compression MH; MR; MMR; JBIG
Fax modem (Kbps) Up to 33.6 Kbps
Fax destinations 2,100 (single + group)
Fax functions Polling; time shift; PC-Fax; receipt to confidential box;Receipt to e-mail/FTP/SMB; up to 400 job
programs

USER BOX SPECIFICATIONS

Max. storable documents Up to 3.000 documents or 10.000 pages
Type of user boxes Public
Personal (with password or authentication)
Group (with authentication)
Type of system boxes Secure print
Encrypted PDF print
Fax receipt, Fax polling
User box functionality Reprint; combination
Download, Sending (e-mail/FTP/SMB and fax)
Copy box to box

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SYSTEM SPECIFICATIONS

System memory standard (MB) 2,048 MB (standard)
System hard disc optional (GB) 250 GB (standard)
Interfaces standard 10-Base-T/100-Base-T/1,000-Base-T Ethernet; USB 2.0; Wi-Fi 802.11b/g/n (optional)
Network protocols TCP/IP (FTP; SMB; SMTP; WebDAV) (IPv4/IPv6)
Frame types Ethernet 802.2; Ethernet 802.3; Ethernet II; Ethernet SNAP
Automatic document feeder Up to 100 originals; A6-A3; 35-163 gsm RADF optional available
Paper size A5-A3; A6S; Thick Paper X/Y size input range: Width:90-297 mm; Length: 139.7-431.8mm
Printable paper weight (g/m²) 60-220 gsm
Paper input capacity (sheets) Standard: 1,100 sheets
Max.: 3,600 sheets
Automatic duplexing A5-A3; 60-209 gsm
Finishing modes (optional) Offset; group; sort; staple; punch; centre-fold; letter fold; booklet
Output capacity (w. finisher) Max.: 3,300 sheets
Output capacity (w/o finisher) Max.: 250 sheets
Stapling Max.: 50 sheets or 48 sheets + 2 cover sheets (up to 209 gsm)
Stapling output capacity Max.: 1,000 sheets
Letter fold Up to 3 sheets
Letter fold capacity Max.: 30 sheets (tray); unlimited
Booklet Max.: 20 sheets or 19 sheets + 1 cover sheet (up to 209 gsm)
Booklet output capacity Max.: 100 sheets (tray); unlimited
Copy/print volume recommended (monthly) 10,000
Copy/print volume max. (monthly) 19,000
If the maximum volume is reached within a period of one year, then a maintenance cycle must be performed
Toner lifetime Black 23,000 pages
Imaging Unit lifetime Black 80,000 pages/600,000 pages (Drum/Developer)
Power consumption 220-240 V / 50/60 Hz; Less than 1.5 kW (system)
System dimensions (WxDxH, mm) 585 x 660 x 735 mm (Standard configuration of main body)
System weight (kg) Approx. 56.5 kg
Paper trays standard Tray 1: 500 sheets; A5-A4; 60-220 gsm
Tray 2: 500 sheets; A5-A3; 60-220 gsm
Manual Bypass: 100 sheets; A6-A3; custom sizes; 60-220 gsm
Paper trays optional Tray 3: 500 sheets; A5-A3; 60-220 gsm
Tray 3 + 4: 2 x 500 sheets; A5-A3; 60-220 gsm
Large Capacity Cabinet: 2,500 sheets; A4; 60-220 gsm

- **1xDF-628;**
- **1xDK-513 (postolje)**
- **1x instalacija i povezivanje na lokaciji korisnika;**
- **toner TN-323 bizhub 227/287 original (23K)**

4. Štampač Color - Konica Minolta Bizhub C227**COPIER SPECIFICATIONS**

Copying process Electrostatic laser copy; indirect
Toner system Simitri® HD polymerised toner

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Copy/print speed A4 mono (cpm) Up to 22 ppm
Copy/print speed A4 colour (cpm) Up to 22 ppm
Copy/print speed A3 mono (cpm) Up to 14 ppm
Copy/print speed A3 colour (cpm) Up to 14 ppm
Autoduplex speed A4 mono (cpm) Up to 22 ppm
Autoduplex speed A4 colour (cpm) Up to 22 ppm
1st Copy/print time mono (sec) 6.8
1st Copy/print time colour (sec) 8.4
Warm-up time (sec) Approx. 20 (2)
Copy resolution (dpi) 600 x 600
Gradations 256 gradations
Multi-copy 1-9,999
Original format A5-A3

Magnification 25-400% in 0.1% steps; auto-zooming

Copy functions Chapter; cover and page insertion; proof copy; adjustment test print; job setting memory;
poster mode; image repeat; overlay (optional, with UK-211); stamping; copy protection

PRINTER SPECIFICATION

Print resolution (dpi) 1,800 (equivalent) x 600 dpi

Page description language PCL 6 (PCL 5c + XL 3.0)

PostScript 3 (CPSI 3016)

XPS

Operating systems Windows VISTA (32/64)

Windows 7 (32/64)

Windows 8 (32/64)

Windows 8.1 (32/64)

Windows 10 (32/64)

Windows Server 2008/2008 R2 (32/64)

Windows Server 2012/2012 R2 (64)

Macintosh OS X 10.x

Linux

Printer fonts 80 PCL Latin; 137 PostScript 3 Emulation Latin

Print functions Direct print of PCL; PS; TIFF; XPS; PDF (v1.4); encrypted PDF files and OOXML (DOCX; XLSX;
PPTX); mixmedia and mixplex; "Easy Set" job programming; overlay; watermark; carbon copy print; copy
protection

Mobile printing AirPrint (iOS); Mopria (Android); Google Cloud Print (optional); Wi-Fi Direct (optional); Konica
Minolta Print Service (Android); PageScope Mobile (iOS, Android); NFC Authentication and Pairing (Android)

SCANNER SPECIFICATION

Scan speed colour (opm) Up to 45 ipm

Scan Speed mono (opm) Up to 45 ipm

Scan resolution (dpi) Max.: 600 x 600

Scan modes Scan-to-eMail (Scan-to-Me)

Scan-to-SMB (Scan-to-Home)

Scan-to-FTP

Scan-to-Box

Scan-to-USB

Scan-to-WebDAV

Scan-to-DPWS

Network TWAIN scan

File formats TIFF; PDF; Compact PDF; JPEG; XPS; Compact XPS; DOCX; XLSX; searchable PDF; PDF/A; linearized
PDF

Scan destinations 2,100 (single + group); LDAP support

Scan functions Annotation (text/time/date) for PDF; up to 400 job programs; real-time scan preview

FAX SPECIFICATION

Fax standard G3

Fax transmission Analogue

i-Fax

Colour i-Fax

IP-Fax

Fax resolution (dpi) Max.: 600 x 600 dpi (ultra-fine)

Fax compression MH; MR; MMR; JBIG

Fax modem (Kbps) Up to 33.6 Kbps

Fax destinations 2,100 (single + group)

Fax functions Polling; time shift; PC-Fax; receipt to confidential box; Receipt to e-mail/FTP/SMB; up to 400 job
programs**USER BOX SPECIFICATION**

Max. storable documents Up to 3,000 documents or 10,000 pages

Type of user boxes Public

Personal (with password or authentication)

Group (with authentication)

Type of system boxes Secure print

Encrypted PDF print

Fax receipt

Fax polling

User box functionality Reprint; combination

Download

Sending (e-mail/FTP/SMB and fax)

Copy box to box

System memory standard (MB) 2,048 (standard)

System hard disc standard (GB) 250 (standard)

Interfaces standard 10-Base-T/100-Base-T/1,000-Base-T Ethernet; USB 2.0, Wi-Fi 802.11b/g/n (optional)

Network protocols TCP/IP (FTP; SMB; SMTP; WebDAV) (IPv4/IPv6)

Frame types Ethernet 802.2; Ethernet 802.3; Ethernet II; Ethernet SNAP

Automatic document feeder Up to 100 originals; A6-A3; 35-128 gsm

RADF optional available

Paper size A5-A3; A6S; banner paper; Thick Paper X/Y size input range: Width: 90-297 mm; Length: 139.7-
431.8 mmPrintable paper weight (g/m²) 60-256 gsm

Paper input capacity (sheets) Standard: 1,100 sheets

Max.: 3,600 sheets

Automatic duplexing A5-A3; 60-256 gsm

Finishing modes (optional) Offset; group; sort; staple; punch; centre-fold; letter fold; booklet

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Output capacity (w. finisher) Max.: 3,300 sheets
Output capacity (w/o finisher) Max.: 250 sheets
Stapling Max.: 50 sheets or 48 sheets + 2 cover sheets (up to 209 gsm)
Stapling output capacity Max. 1,000 sheets
Letter fold Up to 3 sheets
Letter fold capacity Max.: 30 sheets (tray); unlimited
Booklet Max.: 20 sheets or 19 sheets + 1 cover sheet (up to 209 gsm)
Booklet output capacity Max.: 100 sheets
Copy/print volume recommended (monthly) 10,000 pages
Copy/print volume max. (monthly) 19,000 pages (1)
Toner lifetime Black 24,000
Toner lifetime CMY 21,000
Developer lifetime Black 600,000
Developer lifetime CMY 600,000
Drum lifetime Black 80,000
Drum lifetime CMY 70,000
Power consumption 220-240 V / 50/60 Hz
Less than 1.6 kW (system)
System dimensions (WxDxH, mm) 585 x 660 x 787 mm (main body)
System weight (kg) Approx. 72 kg (without options/toner)
Paper trays standard Tray 1: 500 sheets; A5-A4; 60-256 gsm
Tray 2: 500 sheets; A5-A3; 60-256 gsm
Manual Bypass: 100 sheets; A6-A3; 60-256 gsm
Paper trays optional Tray 3: 500 sheets; A5-A3; 60-256 gsm
Tray 3 + 4: 2 x 500 sheets; A5-A3; 60-256 gsm
Large Capacity Cabinet: 2,500 sheets; A4; 60-256 gsm
Manual Bypass: 100 sheets; A6-A3; 60-256 gsm

- **1xDF-628;**
- **1xDK-514- postolje**
- **instalacija i povezivanje na lokaciji korisnika;**
- **TN-221K Toner Black bizhub C227 (24K)41.65**
- **TN-221C Toner Cyan bizhub C227 (21K) 74**
- **TN-221M Toner Magenta bizhub C227 (21K)**
- **TN-221Y Toner Yellow bizhub C227 (21K)**
-

5. VIDEO PROJEKTOR VIVITEK DH268

Native Resolution 1080p (1920 x1080)
Brightness 3500 ANSI Lumens
Contrast Ratio 15,000:1
Max. Supported Resolution WUXGA (1920 x1200) @60Hz
Native Aspect Ratio 16:9
Lamp Life and Type 5,000 / 7,000 / 10,000 Hours (Normal / Eco. / Dynamic Eco. Mode), 203W
Display Type Single chip DLP® Technology by Texas Instruments
Chip Size 0.65" DMD
Throw Ratio 1.37 - 1.64 : 1

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Image Size (Diagonal) 40" - 240"
Projection Distance 1.1 - 8.3 m
Projection Lens F = 2.42 - 2.62, f = 19.0 - 22.65 mm
Zoom Ratio 1.2x
Offset 106.4%
Keystone Correction Vertical: +/-40°
Speakers 2W
I/O Connection Ports VGA-In (15pin D-Sub) (x2), HDMI Number of Ports (x2), S-Video, Composite Video,
Audio-In (Mini-Jack), VGA-Out (15pin D-Sub), Audio-Out (Mini-Jack), RS-232, USB miniB (Service)
Dimensions (W x D x H) 332 x 243 x 107 mm
Weight 2.6 kg
3D Ready(DLP link, PC+Video) Yes
Spare Lamp P/NXX5050002200
Remote Control P/N XX5040005400
Standard Accessories VGA Cable, User Manual (CD), Quick Start Guide, Warranty Card (by region), Remote
Controller (with battery), AC Power Cord
Optional Accessories Spare Lamp P/N: XX5050002200, Remote Control P/N: XX5040005400, Carrying Case
P/N
Warranty Entry Warranty: 2 years projector / 1 year on lamp or 1.000 hours whichever comes first,
Education Warranty: 5 years projector / 3 years on lamp or 2.000 hours whichever comes first
UPC Code 813097023346

6. 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)¹ **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

7. Laptop 1 - Model Lenovo YOGA C930-13 (81C400LEYA)

Procesor Intel Core i7-8550U, 1.80 GHz - 4.00 GHz, 8 MB SmartCache, 4 jezgra, 8 thread-ova

Memorija 16GB DDR4, 2400MHz, integrisano na ploči, bez mogućnosti ugradnje

SSD 512GB M.2 PCIe NVMe SSD

Grafička kartica Intel UHD Graphics 620

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

Ekran 13.9"
Tip ekrana 4K, IPS, 10-point Multi-touch
Optički uređaj Nema
Mreža WiFi 802.11ac, 2x2, Bluetooth 4.1
Povezivanje 1 x USB 3.1 Gen 1 (Always On), 2 x USB 3.1 Type-C Gen 2 / Thunderbolt, headphone /
microphone combo jack
Web kamera HD 720p
Način unosa podataka Tastatura sa pozadinskim osvetljenjem, Touchpad, Touchscreen
Baterija 60Wh
Operativni sistem Windows 10 Professional 64bit
Ostalo Lenovo Active Pen
Boja Siva
Masa 1.38 kg
Rezolucija ekrana 3840 x 2160 piksela
TouchScreen Da
Broj jezgara 4

Opšte karakteristike

Stil Convertible
Dijagonala ekrana 13.9"
Ekran osetljiv na dodir Da
Procesor Intel Core i7
Memorija 16 GB
Hard Disk Nema
Grafika Integrisana
Operativni sistem Windows 10 Pro
Boja Siva
Model procesora 8550U do 4.00GHz Quad Core
Model VGA Intel UHD 620
SSD 512 GB SSD
Rezolucija ekrana 3840 x 2160
Osvetljena tastatura Da
Baterija Lithium Polymer

8. Laptop 2 - Yoga 730-15 81JS004YUK

Processor
Intel Core i7-8565U Processor (1.80GHz 8MB)
Operating System
Windows 10 Home 64
Display Type
15.6"UHD IPS 3840 x 2160
Memory
16.0GB PC4-19200 DDR4 SODIMM 2400MHz
Storage
512GB SSD PCIe
Warranty

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One year Depot or Carry-in
AC Adapter
90W
Graphics
NVIDIA GeForce GTX 1050 4G GDDR5 N17P-G0 4GB GDDR5
Battery
3 Cell Li-Polymer
Bluetooth
Bluetooth Version 4.1
Security Features
Fingerprint Reader
Wireless
Lenovo AC Wireless (2x2)

9. 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

Response time (typical)

4 ms (GtG)*

Brightness

250 cd/m²

SmartContrast

10,000,000:1

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za potrebe Univerziteta u Nišu, Univerziteta u Beogradu, Univerziteta u Novom Sadu i Univerziteta u
Kragujevcu partnera na ERASMUS+ projektu br. 598434-EPP-1-2018-1-RS-EPPKA2-CBHE-JP „
Strengthening Teaching Competences in Higher Education in Natural and Mathematical Sciences”
(TECOMP)

Broj nabavke 3/2019

Contrast ratio (typical)

1000:1

Pixel pitch

0.275 x 0.275 mm

Viewing angle

o 178° (H) / 178° (V)

o @ 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

Dutch

English

Finnish

French

German

Greek

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Broj nabavke 3/2019

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

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)

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(TECOMP)

Broj nabavke 3/2019

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

o Lead-free

o 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

TUV Cert. - blue light cut-off

Cabinet

Color

Black

Finish

Textured

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