

Add Hi-Tech Precision to your Surgical Expertise...



Upgradable Recording Facility



#### Complete Range of Operating Room Solutions...



# Technical Specifications of Shalya Oculus

Frequency 50Hz or 59.94Hz (Switchable) Image Sensor 1/3" Full HD CMOS Sensor Synchronasation Internal Head Buttons 3 functional keys Gain Manual (OFF/LOW/HIGH) /AUTO Adjustable Sentivity OFF/2x/4x/8x Red Details OFF/LOW/HIGH DNR OFF/LOW/HIGH Knee Manual/AUTO Brightness 16 Levels Zoom 16 Levels Sharpness 4 Band of 16 Levels White Balance AWB / ATW / Manual Electronic Shutter OFF/ Manual/ALC Gamma 0.35 - 0.55 Output Port HDMI/IDVI Output Format RGB / RGB (Enh) / YpbPr(4:4:2) / YpbPr(4:4:4) Video Format 5' LCD screen Video Recording Upto 1080 p (Available with Shalya Oculus-Pro) Design Standard IEC 60601-1-1, IEC 60601-1-2, IEC 60601-2-18	· · · · · · · · · · · · · · · · · · ·	
SynchronasationInternalHead Buttons3 functional keysGainManual (OFF/LOW/HIGH) /AUTOAdjustable SentivityOFF/2x/4x/8xRed DetailsOFF/LOW/HIGHDNROFF/LOW/HIGHKneeManual/AUTOBrightness16 LevelsZoom16 LevelsSharpness4 Band of 16 LevelsWhite BalanceAWB / ATW / ManualElectronic ShutterOFF/ Manual/ALCGamma0.35 - 0.55Output PortHDMI/IDVIOutput FormatRGB / RGB (Enh) / YpbPr(4:4:2) / YpbPr(4:4:4)Video FormatFull HD:1080i/50Hz & 1080i/59.94HzS/N54dBTouch Control Panel5" LCD screenVideo RecordingUpto 1080 p (Available with Shalya Oculus-Pro)	Frequency	50Hz or 59.94Hz (Switchable)
Head Buttons3 functional keysGainManual (OFF/LOW/HIGH) /AUTOAdjustable SentivityOFF/2x/4x/8xRed DetailsOFF/LOW/HIGHDNROFF/LOW/HIGHKneeManual/AUTOBrightness16 LevelsZoom16 LevelsSharpness4 Band of 16 LevelsWhite BalanceAWB / ATW / ManualElectronic ShutterOFF/ Manual/ALCGamma0.35 - 0.55Output PortHDMI/IDVIOutput FormatRGB / RGB (Enh) / YpbPr(4:4:2) / YpbPr(4:4:4)Video FormatFull HD:1080i/50Hz & 1080i/59.94HzS/N54dBTouch Control Panel5" LCD screenVideo RecordingUpto 1080 p (Available with Shalya Oculus-Pro)	Image Sensor	1/3" Full HD CMOS Sensor
GainManual (OFF/LOW/HIGH) /AUTOAdjustable SentivityOFF/2x/4x/8xRed DetailsOFF/LOW/HIGHDNROFF/LOW/HIGHKneeManual/AUTOBrightness16 LevelsZoom16 LevelsSharpness4 Band of 16 LevelsWhite BalanceAWB / ATW / ManualElectronic ShutterOFF/ Manual/ALCGamma0.35 - 0.55Output PortHDMI/IDVIOutput FormatRGB / RGB (Enh) / YpbPr(4:4:2) / YpbPr(4:4:4)Video FormatFull HD:1080i/50Hz & 1080i/59.94HzS/N54dBTouch Control Panel5" LCD screenVideo RecordingUpto 1080 p (Available with Shalya Oculus-Pro)	Synchronasation	Internal
Adjustable Sentivity  Red Details  OFF/LOW/HIGH  DNR  OFF/LOW/HIGH  Knee  Manual/AUTO  Brightness  16 Levels  Zoom  16 Levels  Sharpness  4 Band of 16 Levels  White Balance  AWB / ATW / Manual  Electronic Shutter  OFF/ Manual/ALC  Gamma  0.35 - 0.55  Output Port  HDMI/IDVI  Output Format  RGB / RGB (Enh) / YpbPr(4:4:2) / YpbPr(4:4:4)  Video Format  S/N  54dB  Touch Control Panel  Video Recording  Upto 1080 p (Available with Shalya Oculus-Pro)	Head Buttons	3 functional keys
Red DetailsOFF/LOW/HIGHDNROFF/LOW/HIGHKneeManual/AUTOBrightness16 LevelsZoom16 LevelsSharpness4 Band of 16 LevelsWhite BalanceAWB / ATW / ManualElectronic ShutterOFF/ Manual/ALCGamma0.35 - 0.55Output PortHDMI/IDVIOutput FormatRGB / RGB (Enh) / YpbPr(4:4:2) / YpbPr(4:4:4)Video FormatFull HD:1080i/50Hz & 1080i/59.94HzS/N54dBTouch Control Panel5" LCD screenVideo RecordingUpto 1080 p (Available with Shalya Oculus-Pro)	Gain	Manual (OFF/LOW/HIGH) /AUTO
DNR OFF/LOW/HIGH  Knee Manual/AUTO  Brightness 16 Levels  Zoom 16 Levels  Sharpness 4 Band of 16 Levels  White Balance AWB / ATW / Manual  Electronic Shutter OFF/ Manual/ALC  Gamma 0.35 - 0.55  Output Port HDMI/IDVI  Output Format RGB / RGB (Enh) / YpbPr(4:4:2) / YpbPr(4:4:4)  Video Format Full HD:1080i/50Hz & 1080i/59.94Hz  S/N 54dB  Touch Control Panel 5" LCD screen  Video Recording Upto 1080 p (Available with Shalya Oculus-Pro)	Adjustable Sentivity	OFF/2x/4x/8x
KneeManual/AUTOBrightness16 LevelsZoom16 LevelsSharpness4 Band of 16 LevelsWhite BalanceAWB / ATW / ManualElectronic ShutterOFF/ Manual/ALCGamma0.35 - 0.55Output PortHDMI/IDVIOutput FormatRGB / RGB (Enh) / YpbPr(4:4:2) / YpbPr(4:4:4)Video FormatFull HD:1080i/50Hz & 1080i/59.94HzS/N54dBTouch Control Panel5" LCD screenVideo RecordingUpto 1080 p (Available with Shalya Oculus-Pro)	Red Details	OFF/LOW/HIGH
Brightness  Zoom  16 Levels  Sharpness  4 Band of 16 Levels  White Balance  AWB / ATW / Manual  Electronic Shutter  OFF/ Manual/ALC  Gamma  0.35 - 0.55  Output Port  HDMI/IDVI  Output Format  RGB / RGB (Enh) / YpbPr(4:4:2) / YpbPr(4:4:4)  Video Format  Full HD:1080i/50Hz & 1080i/59.94Hz  S/N  Touch Control Panel  Video Recording  Upto 1080 p (Available with Shalya Oculus-Pro)	DNR	OFF/LOW/HIGH
Zoom16 LevelsSharpness4 Band of 16 LevelsWhite BalanceAWB / ATW / ManualElectronic ShutterOFF/ Manual/ALCGamma0.35 - 0.55Output PortHDMI/IDVIOutput FormatRGB / RGB (Enh) / YpbPr(4:4:2) / YpbPr(4:4:4)Video FormatFull HD:1080i/50Hz & 1080i/59.94HzS/N54dBTouch Control Panel5" LCD screenVideo RecordingUpto 1080 p (Available with Shalya Oculus-Pro)	Knee	Manual/AUTO
Sharpness 4 Band of 16 Levels  White Balance AWB / ATW / Manual  Electronic Shutter OFF/ Manual/ALC  Gamma 0.35 - 0.55  Output Port HDMI/IDVI  Output Format RGB / RGB (Enh) / YpbPr(4:4:2) / YpbPr(4:4:4)  Video Format Full HD:1080i/50Hz & 1080i/59.94Hz  S/N 54dB  Touch Control Panel 5" LCD screen  Video Recording Upto 1080 p (Available with Shalya Oculus-Pro)	Brightness	16 Levels
White Balance AWB / ATW / Manual Electronic Shutter OFF/ Manual/ALC  Gamma 0.35 - 0.55 Output Port HDMI/IDVI Output Format RGB / RGB (Enh) / YpbPr(4:4:2) / YpbPr(4:4:4)  Video Format Full HD:1080i/50Hz & 1080i/59.94Hz  S/N 54dB  Touch Control Panel 5" LCD screen  Video Recording Upto 1080 p (Available with Shalya Oculus-Pro)	Zoom	16 Levels
Electronic Shutter OFF/ Manual/ALC  Gamma 0.35 - 0.55 Output Port HDMI/IDVI Output Format RGB / RGB (Enh) / YpbPr(4:4:2) / YpbPr(4:4:4)  Video Format Full HD:1080i/50Hz & 1080i/59.94Hz  S/N 54dB  Touch Control Panel 5" LCD screen  Video Recording Upto 1080 p (Available with Shalya Oculus-Pro)	Sharpness	4 Band of 16 Levels
Gamma 0.35 - 0.55 Output Port HDMI/IDVI Output Format RGB / RGB (Enh) / YpbPr(4:4:2) / YpbPr(4:4:4) Video Format Full HD:1080i/50Hz & 1080i/59.94Hz S/N 54dB Touch Control Panel 5" LCD screen Video Recording Upto 1080 p (Available with Shalya Oculus-Pro)	White Balance	AWB / ATW / Manual
Output PortHDMI/IDVIOutput FormatRGB / RGB (Enh) / YpbPr(4:4:2) / YpbPr(4:4:4)Video FormatFull HD:1080i/50Hz & 1080i/59.94HzS/N54dBTouch Control Panel5" LCD screenVideo RecordingUpto 1080 p (Available with Shalya Oculus-Pro)	Electronic Shutter	OFF/ Manual/ALC
Output Format RGB / RGB (Enh) / YpbPr(4:4:2) / YpbPr(4:4:4)  Video Format Full HD:1080i/50Hz & 1080i/59.94Hz  S/N 54dB  Touch Control Panel 5" LCD screen  Video Recording Upto 1080 p (Available with Shalya Oculus-Pro)	Gamma	0.35 - 0.55
Video FormatFull HD:1080i/50Hz & 1080i/59.94HzS/N54dBTouch Control Panel5" LCD screenVideo RecordingUpto 1080 p (Available with Shalya Oculus-Pro)	Output Port	HDMI/IDVI
S/N54dBTouch Control Panel5" LCD screenVideo RecordingUpto 1080 p (Available with Shalya Oculus-Pro)	Output Format	RGB / RGB (Enh) / YpbPr(4:4:2) / YpbPr(4:4:4)
Touch Control Panel 5" LCD screen Video Recording Upto 1080 p (Available with Shalya Oculus-Pro)	Video Format	Full HD:1080i/50Hz & 1080i/59.94Hz
Video Recording Upto 1080 p (Available with Shalya Oculus-Pro)	S/N	54dB
	Touch Control Panel	5" LCD screen
Design Standard IEC 60601-1-1, IEC 60601-1-2, IEC 60601-2-18	Video Recording	Upto 1080 p (Available with Shalya Oculus-Pro)
	Design Standard	IEC 60601-1-1, IEC 60601-1-2, IEC 60601-2-18

### Features of Shalya Oculus

- Camera Head buttons for complete surgeon control
- Surgeon as well as Surgery Specific Custom Menu
- 1/3" CMOS Head with 1920x1080 pixel
- Ultra Compact size
- Touch Screen LCD interface
- Customizable Reference Area
- Sensitivity 2000lx at F8
- Auto Light Control
- Upgradable Recording Facility with Shalya Oculus-Pro
  - -USB Storage Recording
  - -Streaming & Recording Simultaneously
  - -Integrable with Central Recording System
  - -Additional DVI Port can be provided

## Function of Shalya Uculus

- Image mirror, Flip & Rotate
- Electrical Zoom (max. 2.5)
- Red Detail Adjustment
- Natural Colour Settings
- Freeze
- Colour Gain Adjustment
- Adjustable Dynamic Range
- Electronic Shutter

## Applications of Shalya **Oculus**

Arthroscopy, Hytroscopy, Laparoscopy, Urology, Gynecology, Neuroendoscopy, TURP & ENT Surgeries.

#### Recommended Set along with Oculus



**Medical Monitor** 



**LED Light Source** 



Co, Insufflator







**Advance ESU** 

Available at:

Xavier Med Pvt. Ltd.

1-10-51/2, Road 6B, Dwarakapuram, Dilsukhnagar, Hyderabad - 500060

www.buyxavier.com

Customer Care: 8008895680, Service: 8008895079