



TSR – Through sight Recorder family

TSR–W, TSR–WS, TSR-SA

User Manual
2020

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OPTOCAM TSR-WS



Technical specifications:	
Camera	AHD 720P 30FPS
Operating voltage	5-12V DC
Weight	~170 GR
Dimensions (LXWXH)	42X75X52MM
Compatibility	Various spotting devices

Parts list:

1. Monitor
2. Monitor AC cable
3. TSR-WS
4. Memory card- micro SD
5. Allen key tool
6. Screen/TSR-WS cable
7. Adaptor rings



1. Plug the DVR cable to the TSR-WS and turn to lock.



2. Plug the DVR cable to the monitor.



3. Place the right adapting ring into the TSR-WS. The adapter gap should be aligned to the lock screw according to the marks on both parts.



4. Attach the TSR-WS to the spotting device and turn the lock screw tight. In case further tightening is needed, use the Allen key tool to fasten the bolt.



5. Insert micro SD card to the monitor.



6. Turn the monitor on.

To adjust the image, turn the TST-WS according to need.



OPTOCAM TSR-W



Technical specifications:	
Camera	AHD 720P 30FPS
Operating Voltage	5-12V DC
Dimensions	102X120X60
Weight	~490 GR
Operating Time	5-6 Hours
Add-On	2 Extra Batteries

Parts list:

1. Monitor
2. Monitor AC cable
3. Adapter rings
4. Memory card- micro SD
5. Screen/TSR-WS cable
6. TSR-WS
7. Screen mount
8. Tripod
9. USN cable
10. BNC/RCA connectors



1. Plug the DVR cable to the TSR-W and turn to lock.



2. Plug the DVR cable to the TSR-W and turn to lock.



3. Place the right adaptor ring as shown in the image. Make sure the adaptor ring is in place and doesn't move.



4. Release the TSR-W latch and attach to the scope.





OPTOCAM TSR-SA



Technical specifications:	
Camera	AHD 720P 30FPS
Operational Time	~ 5.5 Hours
Eyepiece Diameter Adaptor	45MM TO 28 MM
Microphone	YES
Dimensions(LXWXH)	~96X86X91 MM
Weight	~350 GR
Compatibility	Various scopes

Parts list – TSR-SA:

1. TSR-SA
2. Adapter ring
3. TSR-SA charger
4. Av out cable
5. Micro SD card



Parts list – Monitor:

1. Screen
2. Screen holder
3. Screen tripod
4. USB cable
5. Screen charger
6. DVR Remote controller



1. Insert the right adaptor ring to the TSR-SA.
The adapter gap should be aligned to the lock screw according to the marks on both parts.



2. Place the TSR-SA onto the scope. Use the lock screw to lock the TSR-SA on the scope.
In case further tightening is required, use the Allen key tool to fasten the bolt.



4. In case the TSR-SA is still not fixed on the scope, Take the TSR-SA off the scope and use the Allen key tool to fasten the bolts as shown in image below.



5. Turn the TSR-SA on and adjust image by turning the TSR-SA on the scope.
6. For streaming the recordings, connect the TSR-SA to the monitor, using cable X connected to the AV out plug.



1. On/off button (when on the device is recording)
2. TSR-SA charger port
3. Av Out port



1. Micro SD(TF) card slot
2. REMOVE DISK button, press it before you remove the card
3. DISK LED, ON when card is recognized
4. REC LED, Flash when recording
5. IR receiver for remote control
6. USB port, ONLY for USB external hard drive
7. Lock screw

For the full remote controller and DVR user guide,
please scan the QR code:



Product Warranty

This product has been manufactured and tested to the highest quality standards by Optronics Engineering Ltd and is free of defects in material and/or workmanship at the time of shipment. Optronics Engineering Ltd warrants this product against defects in material or workmanship for the specified period (see below) from the original date of purchase. Optronics Engineering Ltd will repair (or at its option, replace with the same or comparable model) parts only or, any product or part of the product, which, on inspection by Optronics, is found to be defective in material and/or workmanship, under normal use and maintenance.

What this Warranty Does Not Cover? Optronics Engineering Ltd. is not responsible for any problem that is caused by improper installation, mishandling, misuse, negligence, accident, repair and/or alteration by anyone other than manufacturer authorized person.

Our limited warranty is void if a product is returned with removed, damaged or tampered labels or any alterations (including removal of any component or external cover).

Product:

Date:

Warranty period:

Serial number:

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