


# A Direct Overview of the Essentials. 6-24 x 72 SAM Telescopic Sight

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- Integrated ballistic calculator
  - Internal reading of the elevation and azimuth turrets in the field of view
  - Angle of fire display in the field of view
  - Measurement of environmental parameters (temperature, air pressure) and display in field of view
  - Cant display in the field of view
  - Up to four types of ammunition can be saved simultaneously
  - Good readability of the turrets – even at night, without an external light source
  - No need for expensive additional instruments (thermometer, handheld ballistic calculator, angle of fire compensator)
  - Cost savings for additional instruments and ammunition



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## Telescopic sight with integrated ballistic calculator and internal reading

If you want to avoid making mistakes, you must concentrate on the essentials.

The 6-24x72 SAM telescopic sight ideally supports snipers. Intelligent – direct and precise. SAM stands for Sniper Auxiliary Module and is an optical targeting system with variable magnification (6-24x) and a lens diameter of 72 mm. Most important: it features an integrated ballistic calculator and practical interior display. It enables snipers to read the different parameters directly in the visual field of the eyepiece by means of a 7-segment display. Its sensors are located in the integrated ring mount with a Picatinny interface. The parameters are measured there and then directly projected into the visual field of the eyepiece via a menu: the current settings of the elevation and azimuth turrets, the angle of fire, temperature and air pressure. The cant is also shown and monitored.

The 6-24x72 SAM is the first telescopic sight with an integrated ballistic calculator. All data gathered during assembly is automatically incorporated into the calculation of the ballistic compensation. The assembly saves data for up to four different types of ammunition.

The ballistic calculator is amazingly easy to operate. The user only has to go to the Calculation mode, enter the range to the target, and the wind speed and direction using a setting wheel and then confirm this data. The ballistic program then calculates the compensation value and displays it in the field of view.

The user can do without a variety of additional instruments, such as a thermometer, external ballistic calculator and angle of fire compensator. This allows the sniper to concentrate on the essentials – and, at the same time, avoid carrying heavy gear while also saving costs for expensive additional instruments.

## Technical Data 6-24x72 SAM Telescopic Sight

### Optical Data

Magnification	6x–24x
Reticle image plane	1 + 2 image planes
Exit pupil	12.0–3.0 mm
Field of view at 1,000 meters	61–17 m
Adjustment range	
– vertical	+/- 100 cm
– horizontal	+/- 30 cm
Assembly	ZEISS ring assembly with integrated sensors

### Reticle

Distance between the MIL-DOTS	10 cm / 100 m
Distance between the centering lines	1 m / 100 m

### Dimensions

Length	390 mm
Width	94 mm
Height	94 mm

### Electrical data

Reticle illumination	Red
Automatic shutoff	After 3 hours (set according to customer needs)
Battery capacity	The reticle illumination pulses when remaining capacity reaches 10%.
Power supply	3 V CR 2032 button cell

### SAM electronic data/ ballistic calculator

7-segment display	Red
Automatic shutoff	After 3 minutes (set according to customer needs)
Battery capacity	The display pulses when remaining capacity reaches 10%.
Temperature sensor	-40° / +70°
Angle sensor	+75° / -75°
Interface	Input/output interface

### Environmental tests

Environmental tests	DIN ISO 9022 (excerpt)
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### Drawing number

ZF 6-24x72 SAM SF - 0 MOA	Drawing number 330285-9902-000
ZF 6-24x72 SAM SF - 30 MOA	Drawing number 330285-9904-000
ZF 6-24x72 SAM FF - 0 MOA	Drawing number 330285-9906-000
ZF 6-24x72 SAM FF - 30 MOA	Drawing number 330285-9908-000

### Accessories

Polarizing filter	000000-0454-268
Yellow filter	330296-9026-000
Honeycomb filter, attachable	330296-9028-000
Honeycomb filter, screwable	330296-9032-000
Sun shield, attachable	330296-9027-000
Sun shield, screwable	330296-9024-000
Rubber eyecups	330296-9031-000

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