

# Dedal-380T2 Dedal-TA2.642 PRO

Thermal clip-on sight



**UNDER ANY  
WEATHER CONDITIONS,  
ALSO IN FOG**



## Features of clip-on attachment

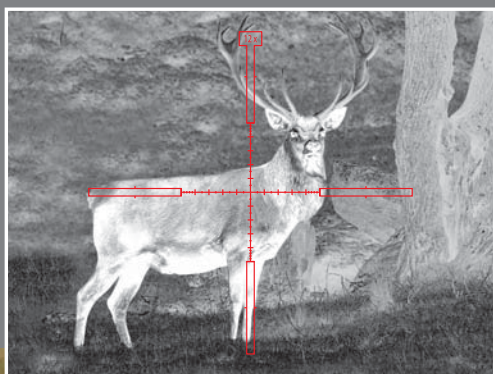
- The clip-on attachment retains the mean impact point of the daytime scope and preserves all its tactical features
- Large diameter of exit pupil
- Internal focusing of the objective lens, which retains the aim point with high precision
- Possibility of internal zeroing of the embedded reticle (3.4 cm @100 meters distance)
- Unified adapter thread for fixation to daytime devices

## Features

- Unique dynamic contrast system allowing the maximum informational content of the thermal image
- Automatic brightness and contrast correction system, which does not require manual adjustments with change of the ambient conditions
- Automatic calibration system of the shutterless sensor and, as a result, absence of noise and image "freezing"
- System of simultaneous elaboration of both target and background fine details regardless of differences in their temperatures
- High frame repetition rate and elimination of image smudging
- Several colour schemes emphasizing hot objects
- Fast start time (not more than 3 seconds)
- Dead pixels removal system
- High quality aspheric germanium optics
- High image quality through the entire field of view
- Shock resistance with large calibre weapons
- Low power consumption
- Hermetically sealed with nitrogen filling
- Compact and lightweight



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CHARACTERISTICS		Dedal-380T2	Dedal-TA2.642 PRO
DETECTOR	Rate, Hz	50	25
	Resolution, pixel	384x288	640x480
	Detector step, $\mu\text{m}$	17	
	Type	Uncooled microbolometer (FPA)	
	Spectral sensitivity range, $\mu\text{m}$	from 8 to 14	
	Temperature sensitivity (NETD), mK	< 70	< 50
	Calibration way	Without shutter	
OBJECTIVE	Focus distance	50 mmF/1.2	
	Manual focusing range	from 5 to $\infty$	
	Optical magnification	1.0 as a clip-on sight 2.0 as a monocular	1.0
	Field of view angle, $^{\circ}$	7.4x5.6	12.4x9.3
OCULAR	Exit pupil diameter, mm	30	
IMAGE TERMINAL MODULE	Matrix type	AMOLED	
	Resolution, pixel	800x600	
POWER SUPPLY	Power source type	CR123	
	Power source quantity, pc.	2	
	Voltage, V	6	
PHYSICAL CHARACTERISTICS	Dimensions, mm	273x71x73	
	Weight, gr	640	
OPERATIONAL CHARACTERISTICS	Operating temperatures, $^{\circ}\text{C}$	from -40 to +50	
	Relative humidity, %	98	
	Battery life, hours	> 4	

Thermal clip-on sights are subject to Russian Export rules and regulations.