

# WG 7 Thermal Camera



WESTMINSTER  
GROUP PLC

Product Code: 3520-11

## KEY FEATURES



**Fever Detection**



**±0.3°C accuracy**



**Mask recognition**



**Visible camera and Infrared camera**



**Face recognition**



**Detects 4-6 people at the same time**



## Overview

The WG 7 Thermal Camera is a body temperature measurement and face detection camera for public health control applications.

The WG 7 Thermal Camera can be used both indoors and outdoors, and enables accurate and fast fever screening of multiple individuals at once.

It is designed to provide full screen body temperature measurements and face recognition with a depth learning algorithm to detect and capture up to 30 faces simultaneously. The camera provides face tracking, scoring, multi-frame recognition, and automatic filter along with the temperature and output of the optimal face.

The WG 7 Camera supports H.264, H.265 and MJPEG dual coding, three-code stream up to 1920p x 1080p at 30fps. It also supports ONVIF, GB/T28181 and other network protocols.

The WG 7 provides an 10/100M Ethernet TX port for connecting to the network with a single IP scheme, network expansion ability, easy access to various video surveillance platforms. The IP67 case allows the operators to install the camera either inside or outside the building.

The TC300 Software is an open system. It can provide Linux, Windows SDK development package and CGI protocol, rapid secondary development.

## Features

Thermographic temperature detection

Full-screen temperature measurement

Selectable temperature range: -15° to +150°C

Thermal view angle: horizontal 35°, vertical 27°

Temperature measurement accuracy: ±0.3°C

HD video resolution up to 1920 x 1080p

Picture view angle: horizontal 84°, vertical 45°

Support H.265+, H.265/H.264, +MJPEG dual coding, three code stream

20-30 faces detected & captured simultaneously

Built-in 50,000 faces capture for recording & playback database

Network interface 1 x 10/100M ethernet TX

Temperature alarm

IP67 case for indoor & outdoor installations

## Specification

Visible Camera	Main Chipset	Hi3516DV300
	Sensor	IMX327
	Lens	4mm
	Resolution	1080P, 640P, 320P
	Scan Mode	Progressive Scan
	LUX	0.01Lux
	Wired	Wired 10Mbps/ 100Mbps RJ45
Infrared Camera	Detector Type	Uncooled focal plane
	Wavelength range	8~14μm
	Lens	4mm
	Viewable	42.0°×32.1°
	Resolution	256 x 192
	Pixel Size	12μm
	Fps	25Hz/ 15Hz
	Temperature range	30°C~45°C
	Accuracy	±0.3°C
	Emissivity black background correction	Automatic correction according to input emissivity and background temperature, emissivity 0.01~1 adjustable
	Atmospheric correction	Atmospheric transmittance is calculated according to meteorological parameters and temperature correction automatically
Multi-person	Support 4-6 people at the same time	
Abnormal temperature alarm	Alarm of over temperature of 37.3 °C automatically	
Device Parameter	Working temperature	-10°C~50°C
	Working humidity	5~95%, No condensation
	Size	332mm*185mm*105mm
	Net weight	2300g
	Power	DC12V 2A
	Power consumption	5W
	Audio	External active speaker
	Wired	Wired 10Mbps / 100Mbps RJ45