

CCTV Installation - Vengara Grama Panchayath, Malappuram

1. Scope of Work

Supply and installation of CCTV cameras

Networking setup (wiring and connectivity).

Should Partner with a local network provider for connectivity and static ip.

2. Maintenance

2 years warranty

AMC (Annual Maintenance Contract) to be provided as instructed by the Grama Panchayat after the warranty period

3. Number of Cameras & Locations

Cameras to be installed at waste dumping spots, bus stand, and other public places.

Number of cameras will depend on per-unit price

4. Technical Requirements

Camera quality: 1080p (Full HD)

Features: Night vision and water resistant

technical specifications: As per the sample specification provided by Suchithwa Mission (attached)

5. Monitoring Setup

Live monitoring display to be arranged at the Panchayat office only.



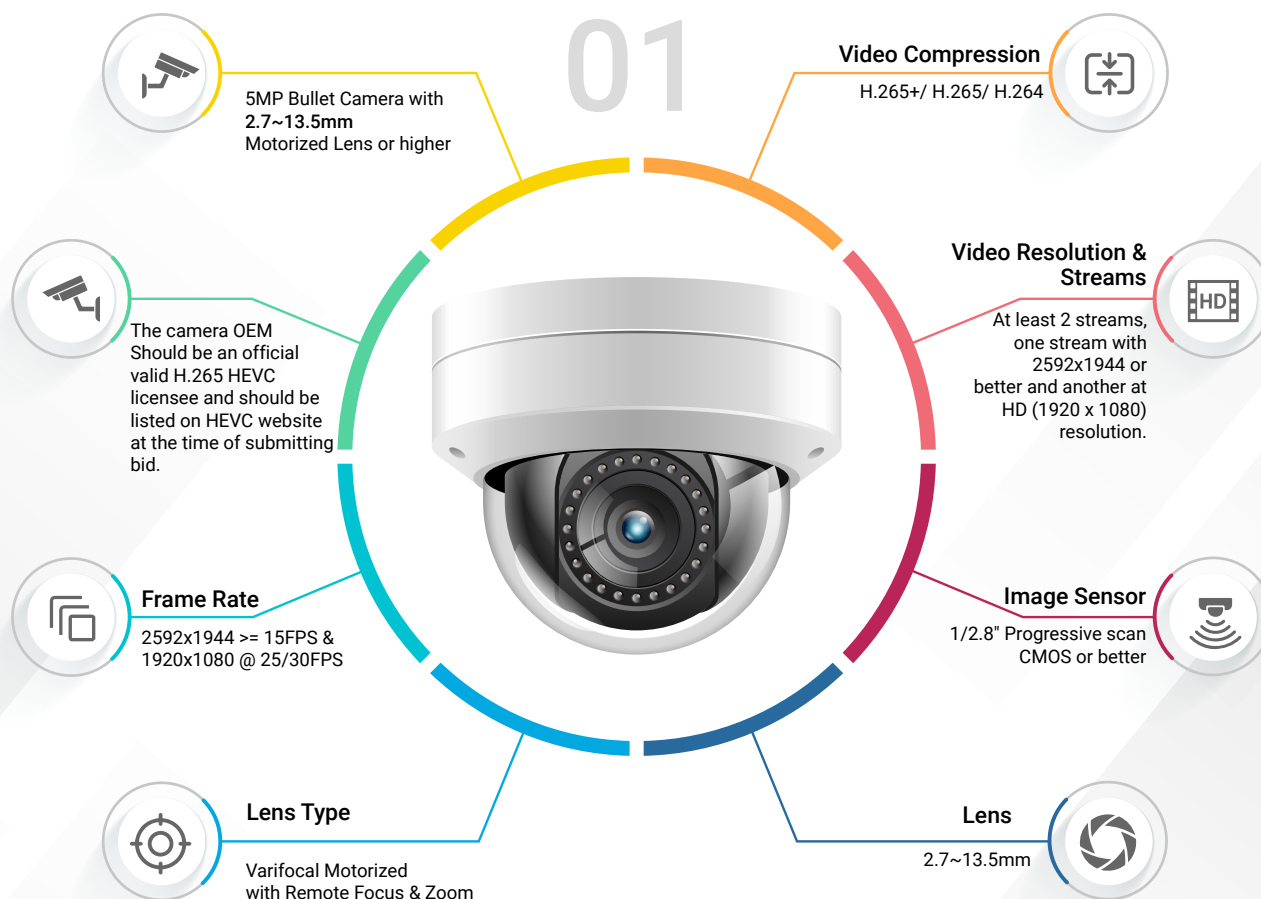
Video Surveillance System

Standard Specifications & Guidelines



**SUCHITWA
MISSION**
LOCAL SELF GOVERNMENT DEPARTMENT KERALA

Components and Specifications



03



04





Standard Poles

Installation of Pole (6 Meters), 3-inch diameter, Galvanised for Camera installations & aerial cabling as required (height of pole/ camera installation may vary based on site conditions). Ground fixing with M20 concrete as per standard specifications. Required clamps/ couplers/ bends/ tees/ saddles/ clamps and flexible pipes, splicing and connection, earthing shall be provided. Required passive components, Suitable power supply and Power back shall be provided.



Connectivity

Fiber Connectivity/ Custom connectivity as per site condition required for full video transfer with event/ incident detection.



Public IP (Static)

Public IP (Static) shall be available to establish communication between Command-and-control center and NVR.



NVR Storage

- 01 | 1 to 4 HD Channels with 15 days video recording - 3 - 4 TB Surveillance HDD
- 02 | 4 to 7 HD Channels with 15 days video recording - 5 TB Surveillance HDD
- 03 | 8 to 11 HD Channels with 15 days video recording - 8 TB Surveillance HDD
- 04 | 12 to 16 HD Channels with 15 days video recording - 12 TB Surveillance HDD
- 05 | 17 to 22 HD Channels with 15 days video recording - 15 TB Surveillance HDD



POE Switch

The POE switch establishes communication between devices and provides power for all connected POE devices.

- 01 | 1 to 4 HD Channels - 5 port POE Switch, 70W
- 02 | 4 to 7 HD Channels - 8 port POE switch, 140W
- 03 | 8 to 11 HD Channels - 16 port POE switch or a minimum of 12 POE ports, 200W
- 04 | 12 to 16 HD Channels - 16 or 24 port switch with minimum 16 POE ports, 200W
- 05 | 17 to 22 HD Channel - 24 port POE switch, 400W



Computing Hardware

- 01 | 1 to 4 HD Channels - CPU Cores: 14, L2/L3 Cache: 24MB, CPU DD5 RAM: 16 GB
GPU with CUDA Cores-2304, L1 Cache-64 KB (per SM), L2 Cache-4 MB, DDR6-8 GB
-----OR-----
Equivalent platform with adequate open-source software support and similar performance
- 02 | 5 to 7 HD Channels - CPU Cores: 14, L2/L3 Cache: 24MB, CPU DD5 RAM: 16 GB
GPU with CUDA Cores-2944, L1 Cache-64 KB (per SM), L2 Cache-4 MB, DDR6-8 GB
-----OR-----
Equivalent platform with adequate open-source software support and similar performance
- 03 | 8 to 11 HD Channels - CPU Cores: 14, L2/L3 Cache: 24MB, CPU DD5 RAM: 16 GB
GPU with CUDA core- 3,584, L2/L3 Cache-3 MB, GPU DDR6 RAM: 12 GB
-----OR-----
Equivalent platform with adequate open-source software support and similar performance
- 04 | 12 to 16 HD Channels - CPU Cores: 16, L2/L3 Cache: 30MB, CPU DD5 RAM: 16/32 GB
GPU with CUDA core: 5888, L2/L3 Cache:36 MB, GPU DDR6 RAM: 16 GB
-----OR-----
Equivalent platform with adequate open-source software support and similar performance
- 05 | 17 to 22 HD Channels - CPU Cores:24, L2/L3 Cache:36MB, CPU DD5 RAM:32/64GB
GPU with CUDA core: 16384, L2/L3 Cache:72 MB, GPU DDR6 RAM: 24 GB
-----OR-----
Equivalent platform with adequate open-source software support and similar performance

Instructions

01

Ensure that the camera and its associated hardware systems are in compliance with the specifications provided in the guidelines

02

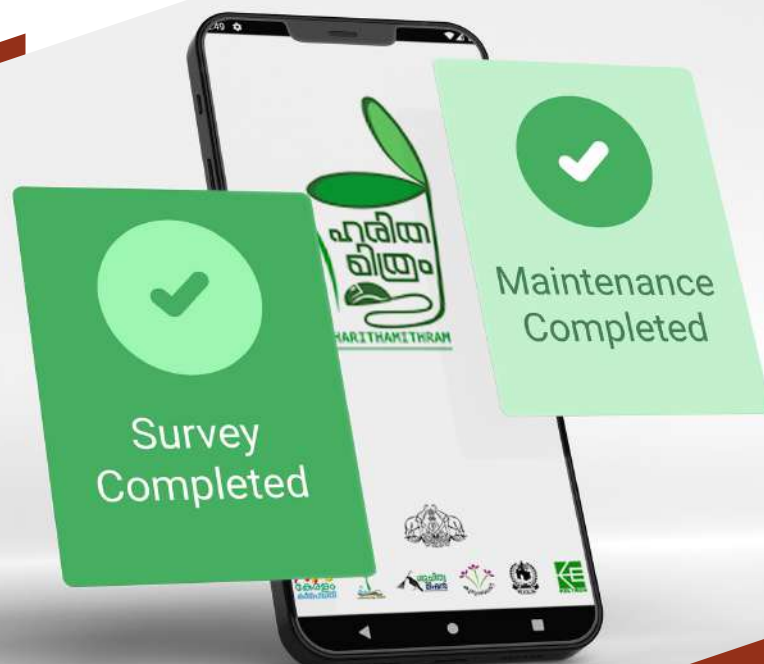
The location of the camera shall be geo tagged

03

3 year comprehensive warranty for product and service

04

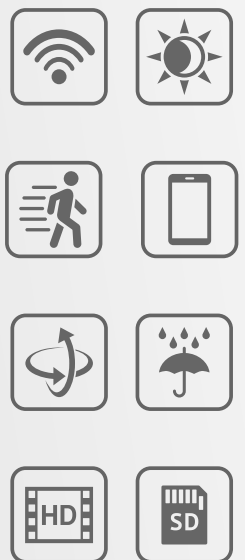
Periodic maintenance of camera and associated systems has to be ensured





Goals

A combination of the listed features shall be enabled by the Control and Command Center by analysing the feed from the camera installed across the state.



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