

Newham Bid CCTV Specification Document

The Newham Bid committee are looking to install a digital CCTV system to provide coverage of the Newham region. The following criteria has been drawn up as a minimum technical specification;

General Overview.

The CCTV system will comprise of a wide area network including twenty 3.0mp day/night IP cameras with built in infra-red capability and two IP high resolution License Plate Recognition cameras.

The cameras will be located on multiple private lease and freehold commercial buildings at various locations around the Newham region and transmit their images via multiple broadband connections to a centralised recorder.

One IP camera is to be located in an undeveloped part of the site and will transmit images via a dedicated secure Wi-Fi link with all equipment at this location mast mounted and solar powered, protected by an anti-vandal spiked collar.

The recording capability should allow password protected secure remote access for authorised personnel and provide a reporting function to monitor user access.

Recording equipment;

Digital IP system

32 camera capability

800 frames per second (25fps per camera)

16TB hard drive

Network compatible

Multiple user log in

Multiple level administration and user permissions

30 day recording for all cameras at full 25 frames per second

Cameras;

CCTV External 3.0MP IP Bullet camera with built in infra-red and 3-12mm lens
Cameras to be minimum IP66 rated.
H264 compression standard.

LPR IP LPR camera with 10m range
Cameras to be minimum IP66 rated.

Solar Equipment;

Supply and installation of solar panels of sufficient power capability to run one 3MP bullet IP camera and dedicated secure Wi-Fi network to allow broadcast of images to receiver circa 100m away.

Requirments;

<i>Equipment</i>	<i>Quantity</i>
Digital CCTV recorder	1
3MP IP bullet camera	20
IP LPR camera	2
First fix cabling (estimate)	450m
4m CCTV mast (including all groundwork and installation)	1
Anti-vandal spiked mast collar	1
Dedicated secure wifi network including transmitter and receivers	1
Solar equipment (panel/s, brackets, battery/ies, enclosure/s, charge controller etc)	1
Full training and user guides	1
Comprehensive on site parts and labour warranty	1
No contractual obligation maintenance agreement tie in clauses	

