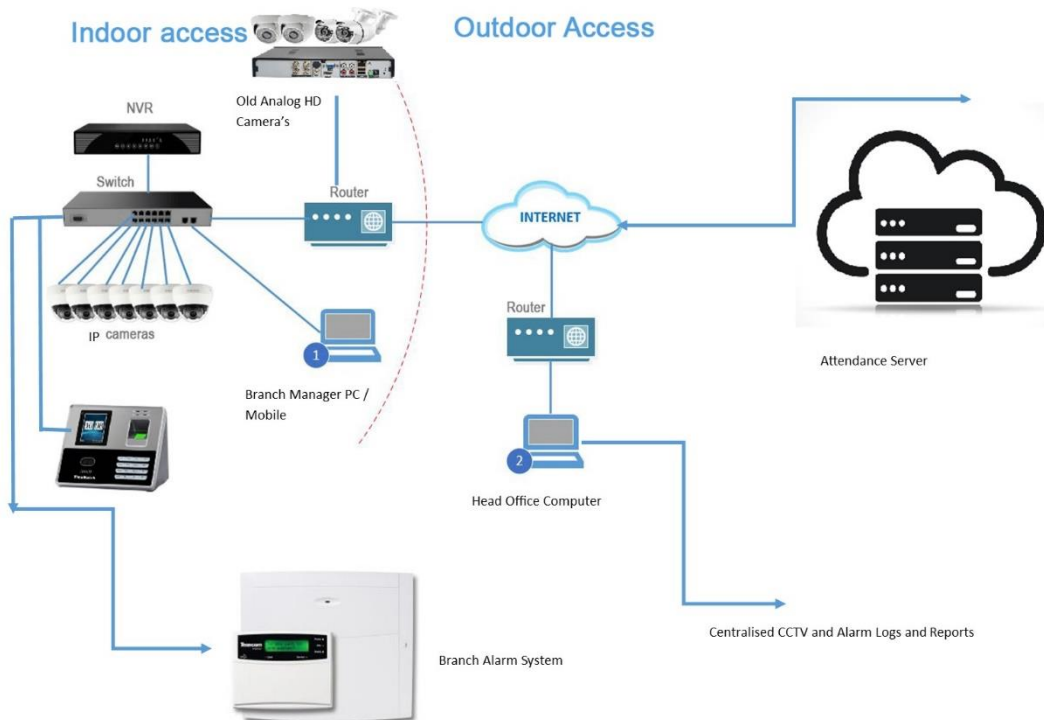


CCTV Requirements:

- 1) 120 Days Recording for Banking Camera, Customer Lobby, ATM and Gold loan-Cash Chest
- 2) Recent Observation Branch Robbery attempts, branch CCTV recorder is also damaged or stolen.
- 3) Secondary backup recorder when primary recorder fails.

For the above issues, keeping in view of our requirements following design and solution is recommended.

Design:



As Shown above, each branch will have to be installed with 4 IP camera's and a network video recorder with 6 TB (6000 GB) Hard disk Drive. *Instead of using 8 / 10 TB hard disk drives which are more expensive and incase of failure we loose complete footage, we can use 2 HDD's (1 6 TB and 1 4 TB) for lesser price and have double footage recorded incase 1 fails*

As they are IP camera's the video stream can be recorded in multiple devices, i.e., in the regular branch manager Digital Video Recorder and New Network Video Recorder which will be discreetly mounted in network room of each branch.

This way, we will have 120 days backup of primary camera's, safe footage in case of burglary.

Further as we have enough bandwidth and data limits of more than 2000 GB per month, we can live stream branches at off times and also store ATM camera in head office.

We will be using same *make/manufacture* of CCTV system in upgradation for good compatibility as this system is a HYBRID system which will function on old and new devices being installed.

Quotations for Supply & Installation of CCTV System at TSCAB Branches

S#	Item Description	Unit	QTY	Rate	Amount
1	Wbox Make 3.6 mm 2 MP IP Camera with Minimum of 20 meters IR night vision ONVIF compliant. <i>Specifications as listed below</i>	Each	4		
2	Wbox Make Network Video Recorder 4 Channel <i>Specifications as listed below</i>	Each	1		
3	6 TB (6000 GB) Surveillance Hard Disk Drive	Each	1		
4	4 TB (4000 GB) Surveillance Hard Disk Drive	Each	1		
5	Wbox 8 Port POE Switch with 2 UPLink	Each	1		
				Total	
				GST @ 18 %	
				Grand Total	

Warranty – 3 Years Comprehensive onsite replacement warranty.

