

PRODUCT SPECIFICATION

■ Network Calculating Condition

- 1Frame Data Size of MPEG4 CIF = ~2Kbyte
- 1Frame Network Bandwidth (bps)=1Frame Data*8bit=2Kbps*8bit=16Kbps
- Bank Target Network Bandwidth (bps)=1Frame Network Bandwidth* Transmitted Frames*Channels*Event Occur rate(3%=0.03)

A. Bank Network Bandwidth for 1frame/second per channel

- Branch bps=16Kbps * 1frame * 3 channels * 0.03 = 1.44Kbps
- Head Office bps=1.44kbps * 103 Branches=148.32Kbps

B. Bank Network Bandwidth for 2frame/second per channel

- Branch bps=16Kbps * 2frame * 3Channels * 0.03 = 2.88Kbps
- Head Office bps=2.88Kbps * 103 branches = 296.64Kbps

Network Bandwidth Recommendation

- Branch : 9.6Kbps 1 leased Line or xDSL Line with VPN
- Head office : 256Kbps 1 leased Line or xDSL Line with VPN



☞ CAMS Products

- CM(Cams Monitor): S/W+H/W -> Site Video Alarm Surveillance Monitoring
- CC(Cams Checker): S/W+H/W -> Site DVR Diagnosis Monitoring
- CMS(Central Management System): S/W+PC -> Site 1DVR Managing
- CMM(Cams Monitor Manager):S/W+H/W -> Site Video Networking&Switching
- CS(CAMS Storage):S/W+H/W -> Site Alarm Video Storing

☞ CAMS Network Bandwidth

- 1CIF Mpeg4 frame data size=~2kbyte
- Event occur rate=0.03(3%)
- 1fps per 1ch Network Bandwidth =1.44kbps
- In Case for 1Cams Center+4ch DVR 1set 100Site
- >Site bps=1.44kbps*4ch=5.76kbps
- >Center bps=1.44kbps*400ch=576kbps

☞ CAMS Network Connections

- CM,CC,CMS,CMM : Higher 100Mbps LAN
- CMM with CS:IEEE1394 or USB2.0
- NH70xx,NS50xx,NI60xx:10Mbps LAN

☞ CAMS Configuration

- CAMS Enterprise(500~1000DVRs)
- >8CM+1CC+3CMS+3CMM+3CS
- CAMS Pro(100~500DVRs)
- >4CM+1CC+2CMS+2CMM+2CS
- CAMS Light(10~100DVRs)
- >1CM+1CC+1CMS+1CMM+1CS

■ Network Configuration (PSDN/XDSL Cable)

