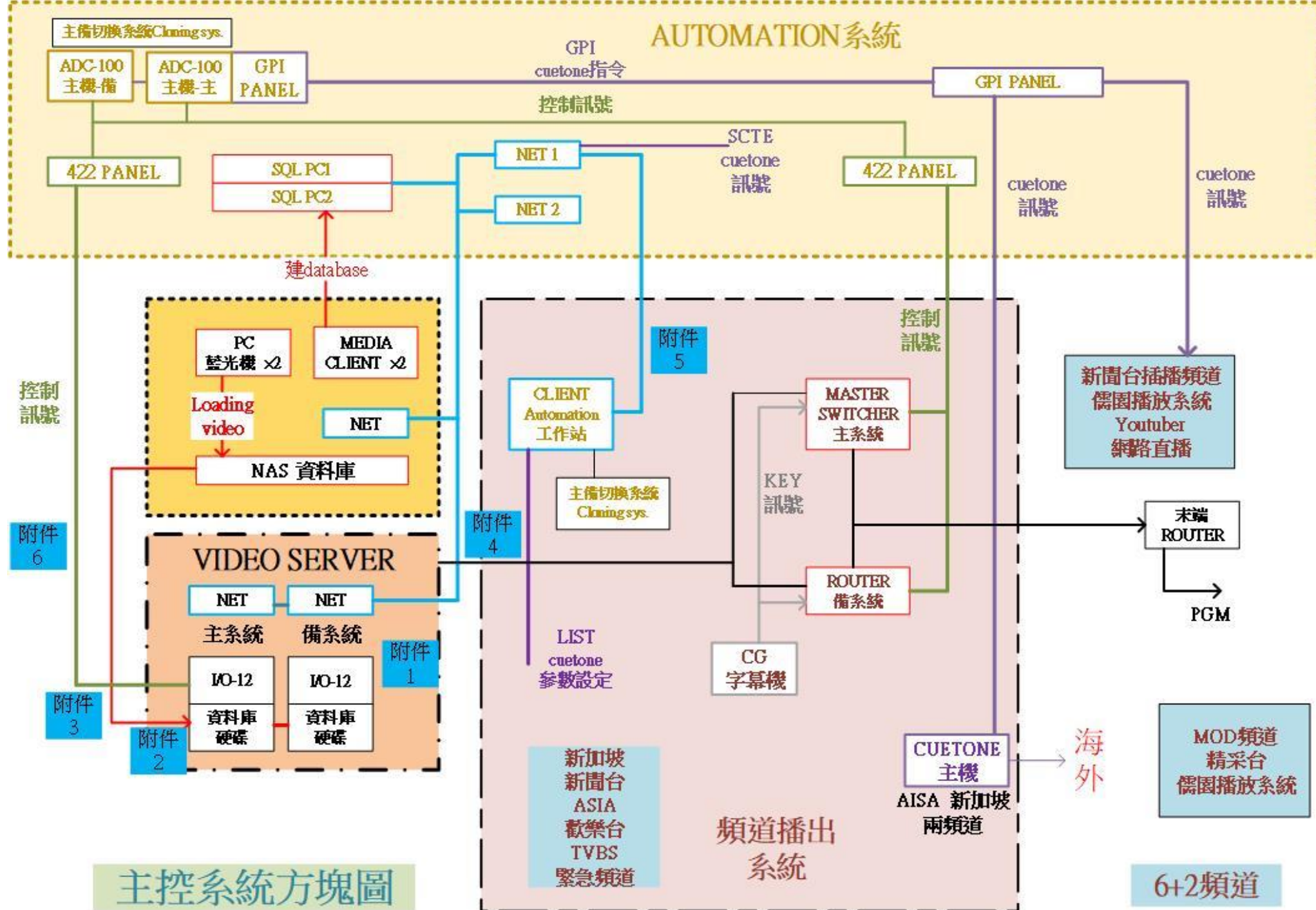
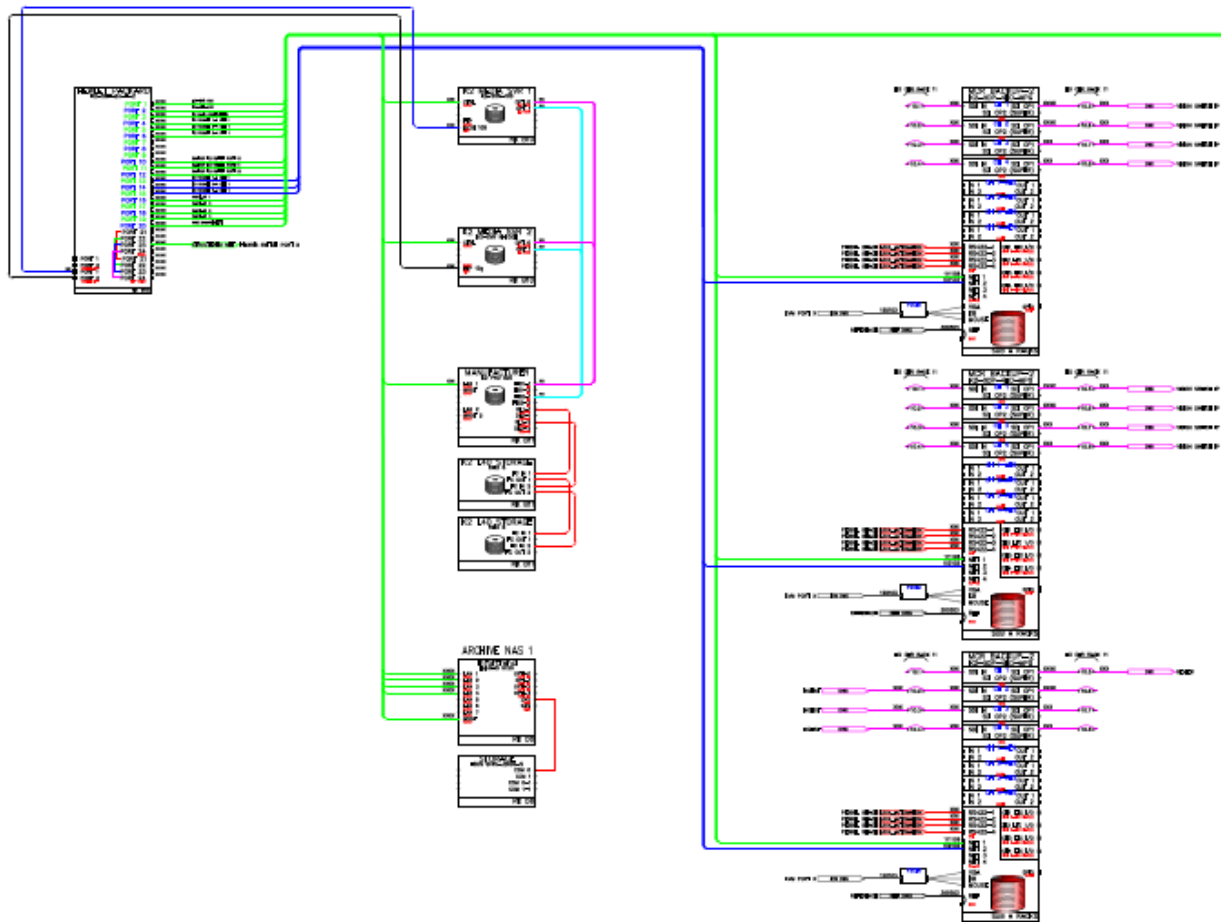
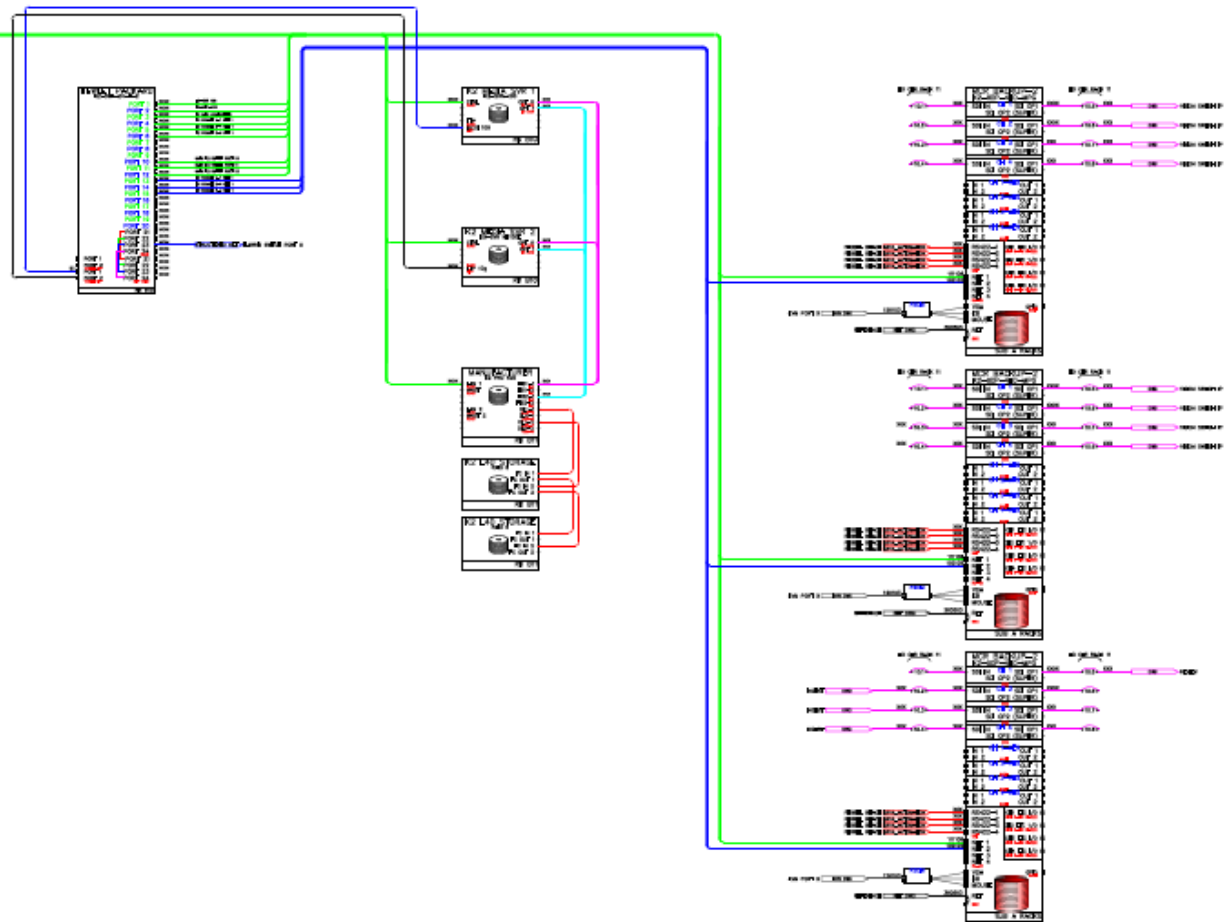




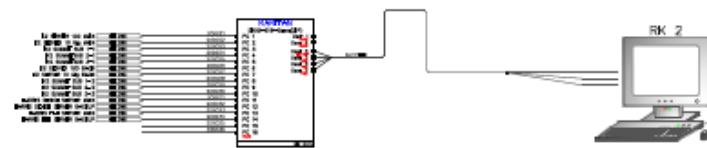
MAIN PLAYOUT SYSTEM RACK 2

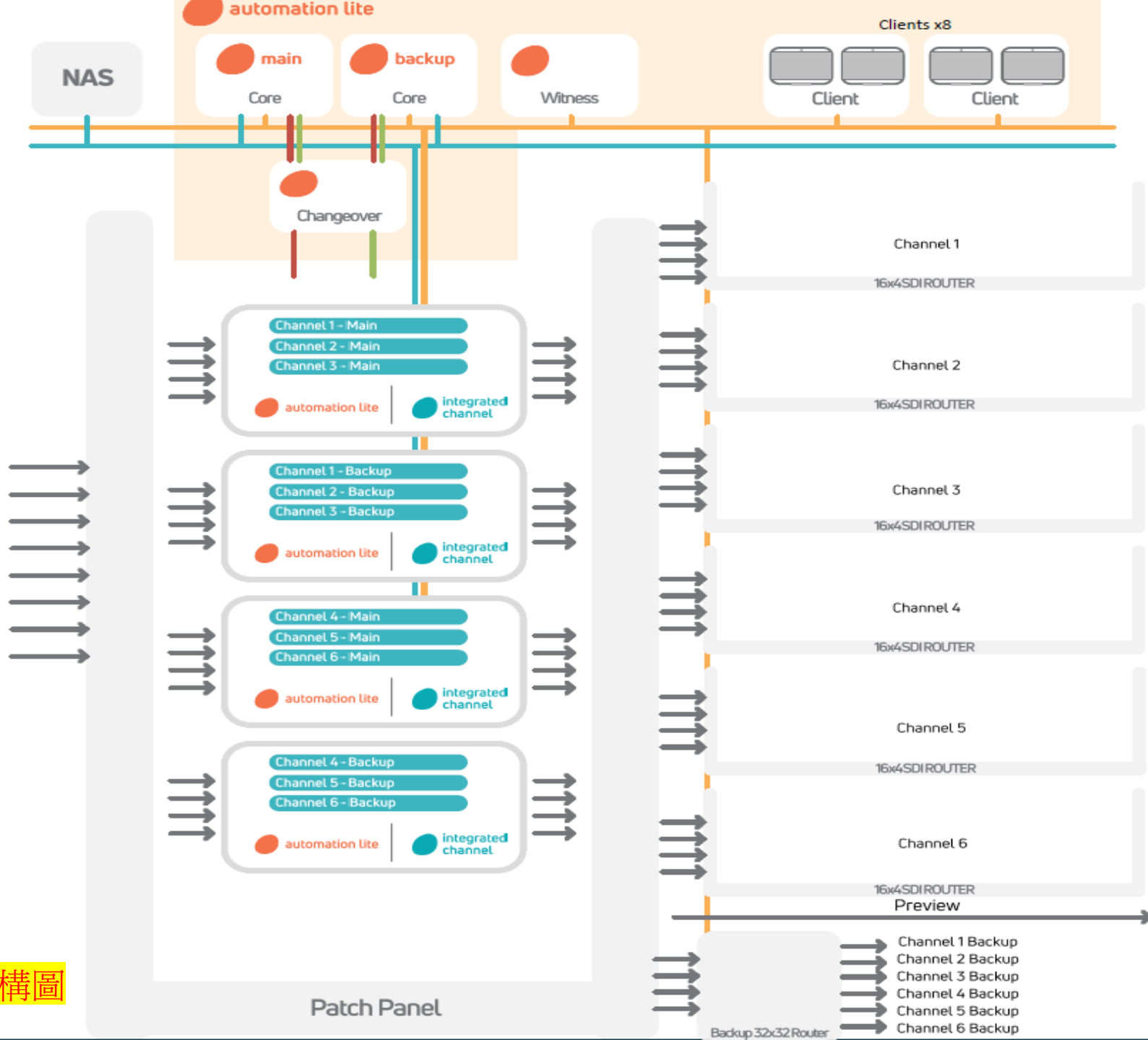


BACKUP PLAYOUT SYSTEM RACK 3



tvbs現有及傳統server架構圖





單機分散式系統架構圖

播出檔案支援格式

- SD:
- DV and D10 (IMX)
- DV, DVCAM, DV25, DV50
- HD: DCAM, XDCAM HD, XDCAM EX, XDCAM 422, DVCPRO HD, AVC-Intra, DNxHD
- UHD:
- XAVC-I Class 300, UHD, 2160p59.94 and 2160p50

Import/export

Import/export all formats as MXF OP1a, SMPTE ST 360 (GXF) or QuickTime

檔案規格需求

Video I/Os

SD/HD/3G-SDI

connectors

SD-SDI: SMPTE ST 259, ITU R601, 525/625 line, 10-bit

HD-SDI: SMPTE ST 292, 10-bit

3G-SDI:

SMPTE ST 424, 10-bit

SMPTE ST 2110-20 Uncompressed Video over IP

SMPTE 2110-30 PCM Audio over IP

SMPTE ST 2110-40 Ancillary Data over IP

Formats

(SD) 525i59.94

(SD) 625i50

(HD) 720p50/59.94

(HD) 1080i50/59.94

(3G Level A) 1080p50/59.94

(UHD) 2160p59.94 and 2160p50

Compression Types

SD:

DVCAM, DVCPRO25, DVCPRO50

D10 (IMX) 30/40/50 Mb/s

HD:

XDCAM HD (18, 25, 35 Mb/s)

XDCAM HD 4:2:2 (50 Mb/s)

XDCAM EX

DVCPRO HD

AVC-Intra 50/100

AVC-Intra Class 100 1080p50/60 Level A (optional)

DNxHD 115, 120, 145, 175, 185, 220 Mb/s

UHD:

XAVC-I Class 300

Audio

Up to 64 tracks (32 pairs) SMPTE ST 2110

Up to 16 tracks per channel

Input: 48 kHz, 16- or 24-bit digital audio=PCM

Reference Genlock

Blackburst analog and tri-level sync

Single bnc connector

Media Exchange

MXF OP1a and GXF (SMPTE ST 360)

I/O 規格需求

檔案儲存系統 (SAN/NAS/本機)

- A. 提供 系統管理伺服器，具備錯誤移轉（failover）之高可靠性架構（High Availability），伺服器發生錯誤時可自動切換而不影響檔案系統之服務。
- B. 提供 2 個(含)以上熱抽換備援電源供應器。
- C. 提供 Windows 或 LINUX 作業平台,其中WINDOWS必須有資安及防毒機制。
- D. 提供 12 顆（含）以上 4TB（含）以上之 SAS 10,000 rpm 磁碟。
- E. 需支援 RAID 0, 1, 3, 5, 6, 10, 50 及 Distributed erasure coding 資料保護機制。
- F. 容量: 主備系統總可用容量需 32T 以上
- G. 骨幹需使用:10G光纖網路