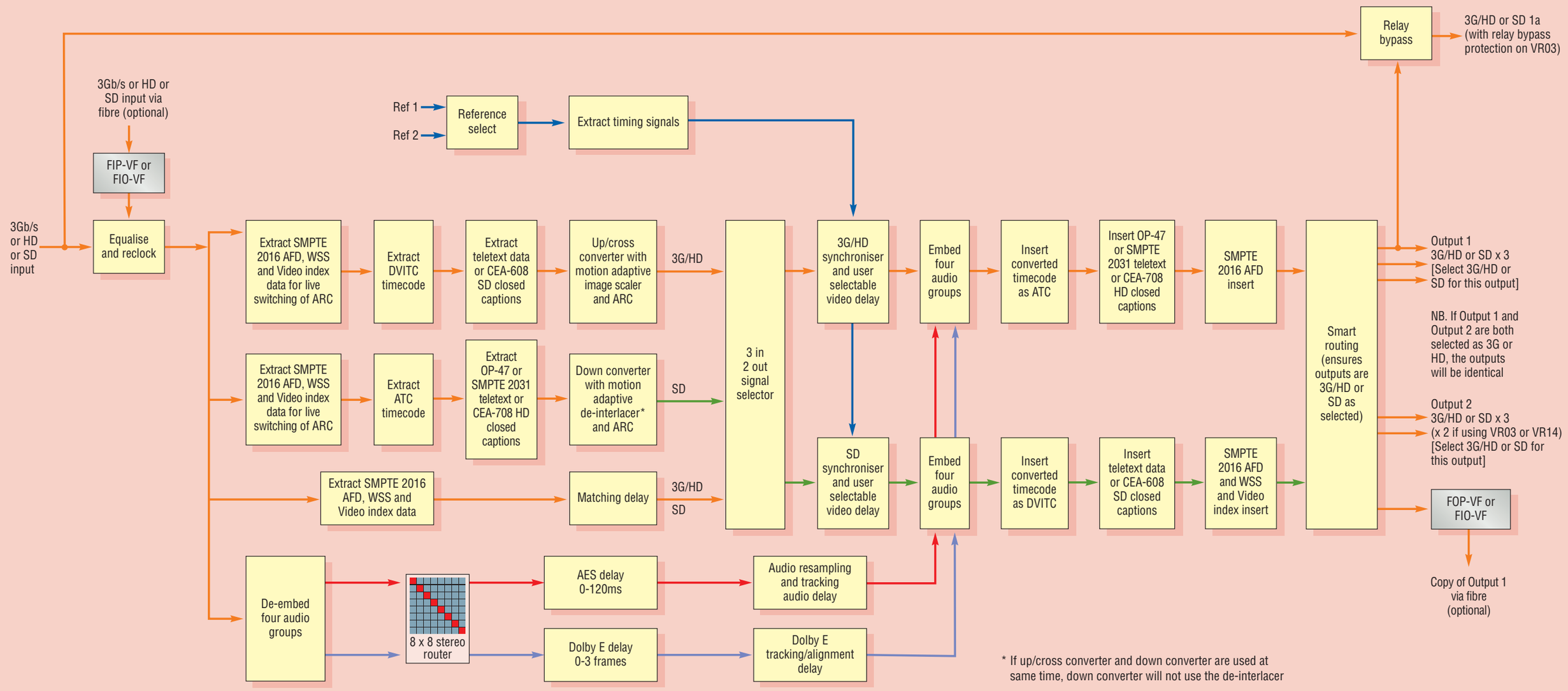
3Gb/s or HD or SD input
3Gb/s or HD or SD input via fibre (optional)
FIP-VF or FIO-VF
Equalise and reclock
Ref 1
Ref 2
Reference select
Extract timing signals
Relay bypass
3G/HD or SD 1a (with relay bypass protection on VR03)
Extract SMPTE 2016 AFD, WSS and Video index data for live switching of ARC
Extract DVITC timecode
Extract teletext data or CEA-608 SD closed captions
Up/cross converter with motion adaptive image scaler and ARC
3G/HD
3G/HD synchroniser and user selectable video delay
Embed four audio groups
Insert converted timecode as ATC
Insert OP-47 or SMPTE 2031 teletext or CEA-708 HD closed captions
SMPTE 2016 AFD insert
Extract SMPTE 2016 AFD, WSS and Video index data for live switching of ARC
Extract ATC timecode
Extract OP-47 or SMPTE 2031 teletext or CEA-708 HD closed captions
Down converter with motion adaptive de-interlacer* and ARC
SD
3 in 2 out signal selector
SD synchroniser and user selectable video delay
Embed four audio groups
Insert converted timecode as DVITC
Insert teletext data or CEA-608 SD closed captions
SMPTE 2016 AFD and WSS and Video index insert
Smart routing (ensures outputs are 3G/HD or SD as selected)
Output 1 3G/HD or SD x 3 [Select 3G/HD or SD for this output]
NB. If Output 1 and Output 2 are both selected as 3G or HD, the outputs will be identical
Output 2 3G/HD or SD x 3 (x 2 if using VR03 or VR14) [Select 3G/HD or SD for this output]
Extract SMPTE 2016 AFD, WSS and Video index data
Matching delay
3G/HD
SD
FOP-VF or FIO-VF
Copy of Output 1 via fibre (optional)
De-embed four audio groups
8 x 8 stereo router
AES delay 0-120ms
Audio resampling and tracking audio delay
Dolby E delay 0-3 frames
Dolby E tracking/alignment delay
* If up/cross converter and down converter are used at same time, down converter will not use the de-interlacer