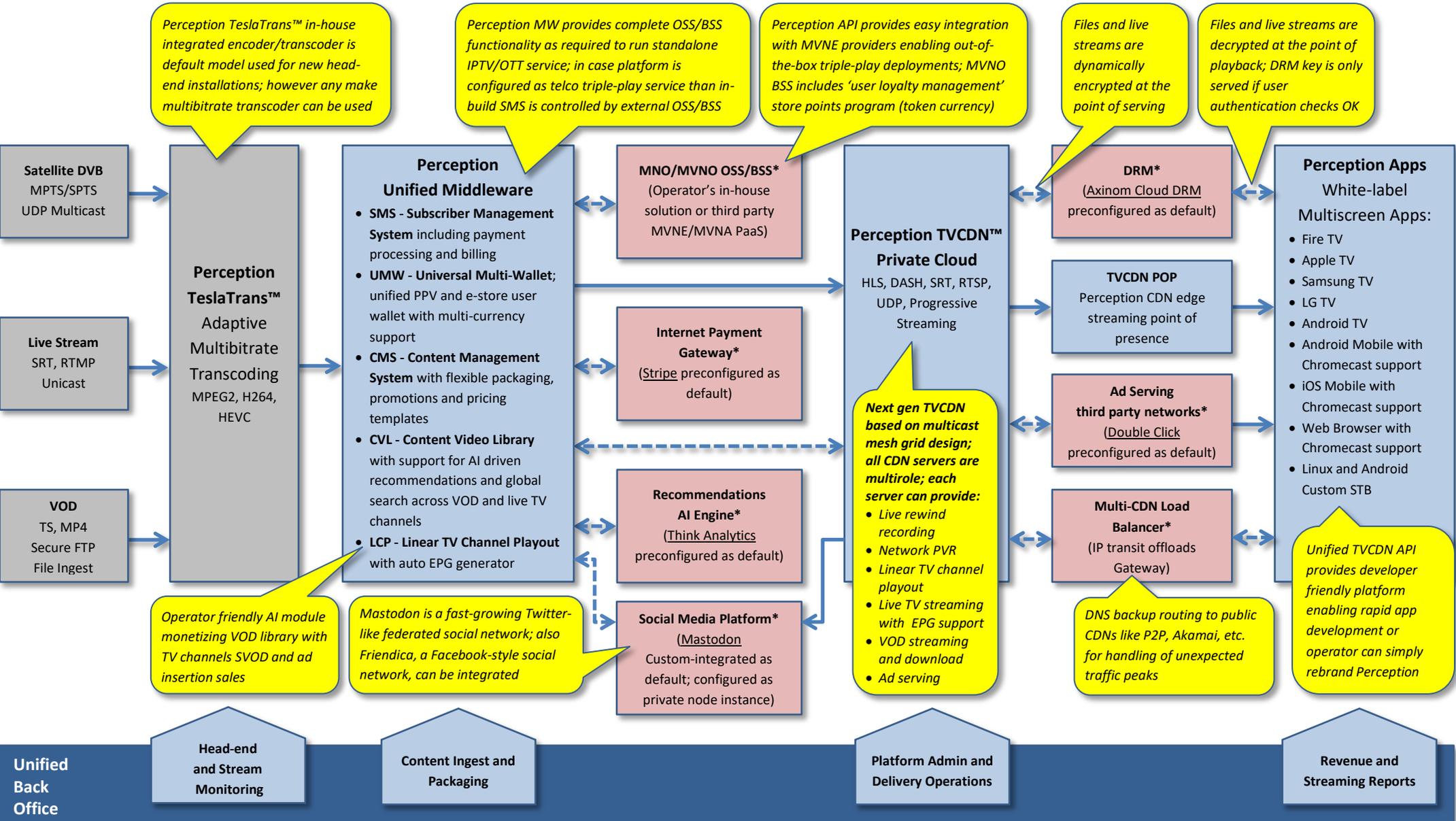


# Perception TVCDN™ Unified Platform Architecture Block Schematic



Perception TeslaTrans™ in-house integrated encoder/transcoder is default model used for new head-end installations; however any make multibitrate transcoder can be used

Perception MW provides complete OSS/BSS functionality as required to run standalone IPTV/OTT service; in case platform is configured as telco triple-play service than in-build SMS is controlled by external OSS/BSS

Perception API provides easy integration with MVNE providers enabling out-of-the-box triple-play deployments; MVNO BSS includes 'user loyalty management' store points program (token currency)

Files and live streams are dynamically encrypted at the point of serving

Files and live streams are decrypted at the point of playback; DRM key is only served if user authentication checks OK

Operator friendly AI module monetizing VOD library with TV channels SVOD and ad insertion sales

Mastodon is a fast-growing Twitter-like federated social network; also Friendica, a Facebook-style social network, can be integrated

DNS backup routing to public CDNs like P2P, Akamai, etc. for handling of unexpected traffic peaks

Unified TVCDN API provides developer friendly platform enabling rapid app development or operator can simply rebrand Perception