

MySkiTool System

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Personalize the waterski Video Experience, get the right video when you need it.

Main System Elements

Smart Capture:

of Video clips
(from GPS
location/ speed)

GoPro, HDMI,
IP/Analog Camera
sources

Quick Access:

Store Video for
'Immediate'
Authorized
Access
(LAN/WAN)

Boat Video
Gate Video

Enhanced Access:

Store 'Enhanced'
Video for
'Controlled' 'User
Level' Access

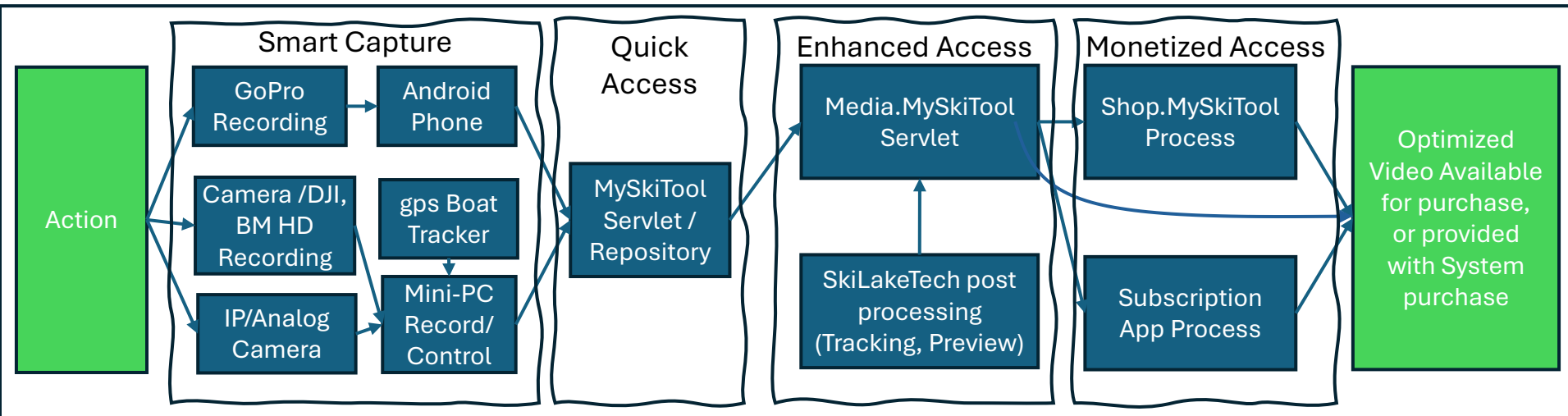
Tracked Video,
'By Skier' Video
summary

Monetized Access:

Process for
'Monetizable'
'User Level'
Access

By page / Shopify
Subscribe / Stripe

Components of the various Elements



Android GoPro Control App

- WiFi and BT control of GoPro
- Responds to GPS location/Speed
- Uploads video from GoPro to Server
- Generates accompanying .txt with video specific info (skier, location, scores)

Real Time User GUI access to videos

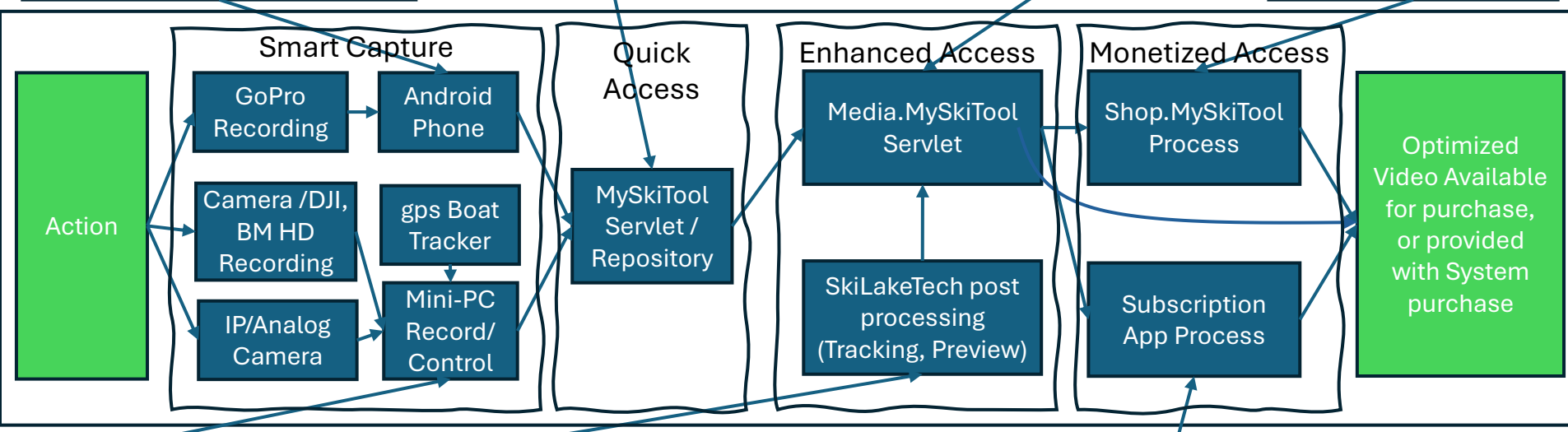
- Judge Web Page
- GoPro App control (Set Name)
- Auto Playback Web Page
- Desktop App
- BM-Video playback
- Gate-Video playback

Media.MySkiTool Servlet

- Organizes video/txt (remaps names/folders into 'DatedCamera/SkierName' folders)
- Generates 'Byname' preview / purchasable pages of videos
- User Account, rights management, and a version of a purchase process

Shop.MyskiTool.com Process

- Enables the sale of 'purchasable' pages (as digital assets) through a shopify store

**Mini-PC Relay/Control**

- Monitors gpsBoat message
- Triggers BM to capture boat video
- Triggers recording of Gate video
- Generates accompanying .txt
- Uploads to server

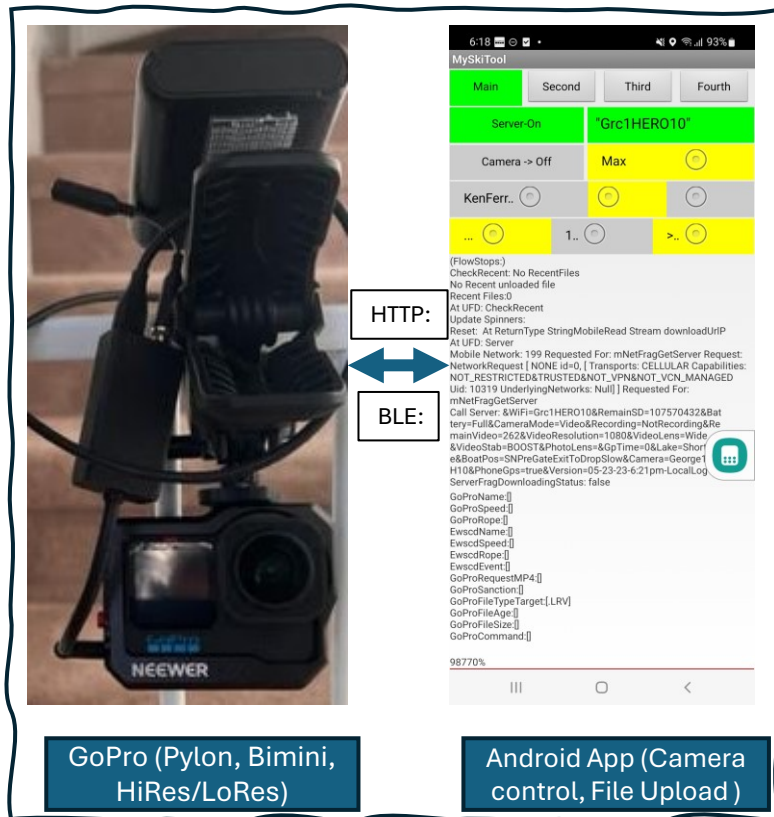
SkiLakeTech.MySkiTool.com

- Video tools (tracking, preview video/image)
- Enables MST-Connect SocketIO process for
 - Web BM control client
 - LAN BM control Relay
- Incorporates upload of HiRes videos

Subscription Process

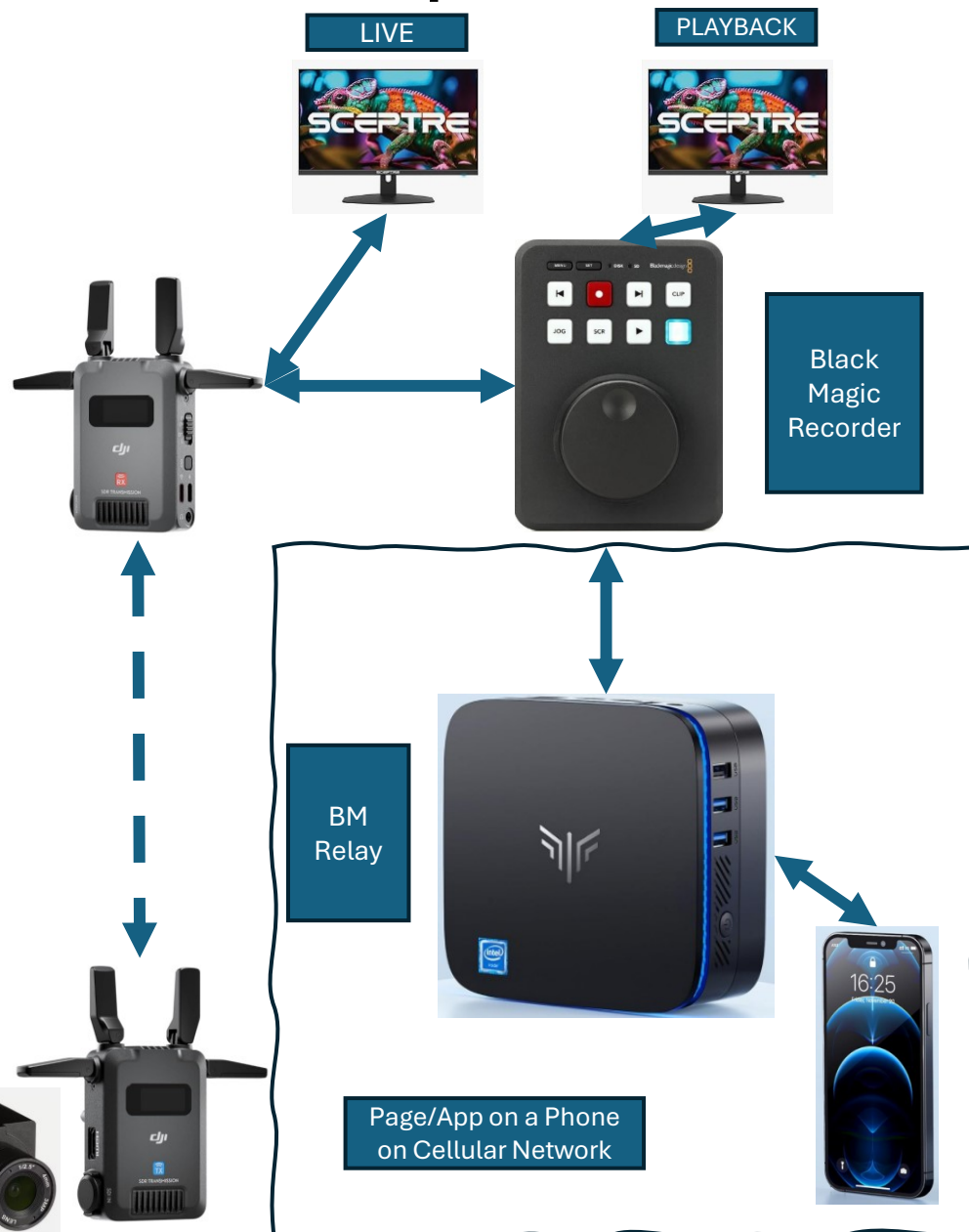
- Enables access as a subscription for subscribed 'period'
- A user management system (who has rights to what)
- As mySQL that can then be used to authenticate multiple apps (Current Java user authentication has salt[] as byte, but mySQL needs salt[][] as char. Need to existing users to reset password)
- Subscription payment is done once for a period of time. Once logged in user has access to that content
- Content delivered can be a specific set of video files (or current 'pages') tied to a person's name or location

Smart Capture: GoPro



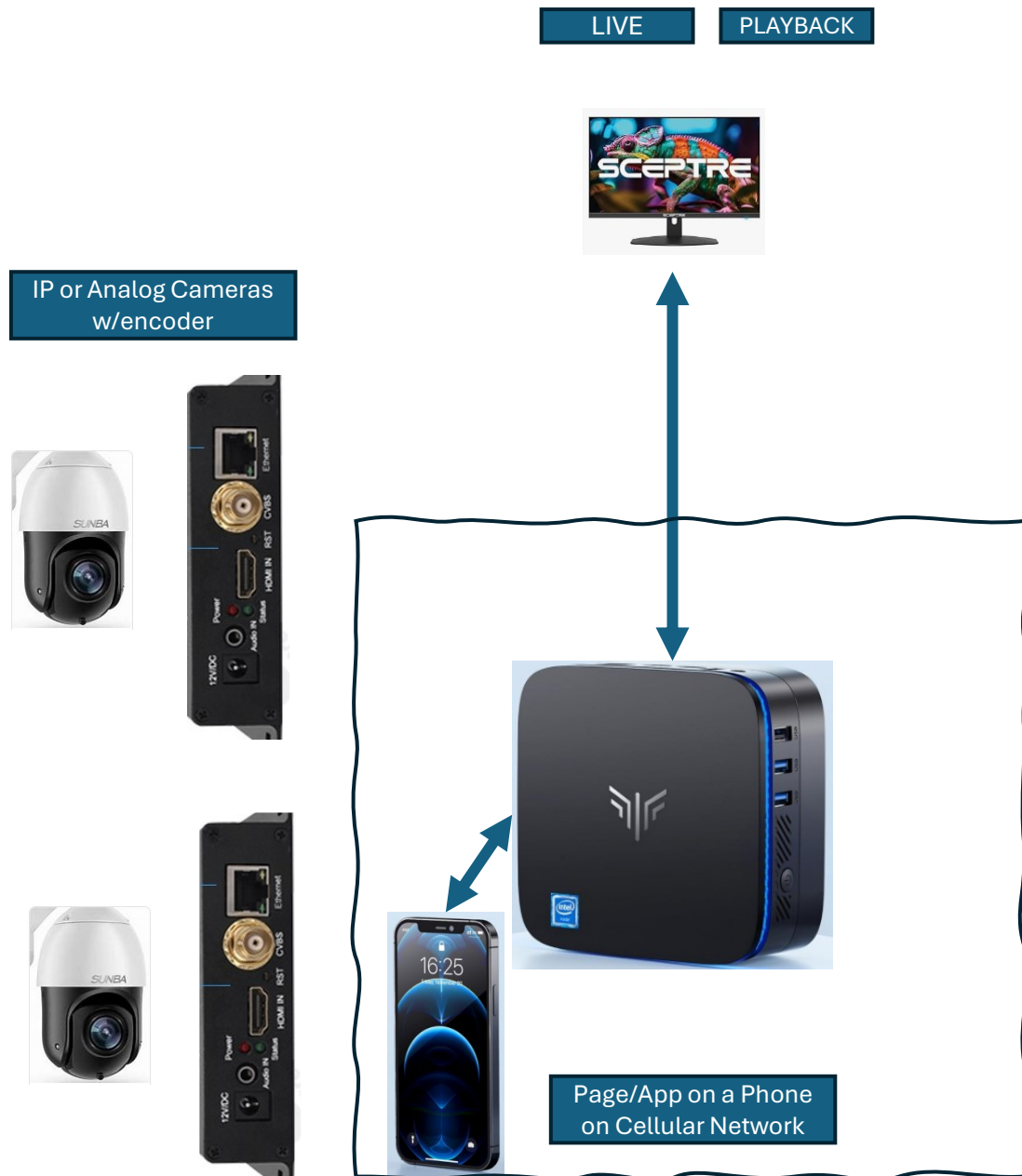
- Pair 'Cell connected' Android Phone to GoPro Camera
- Power Up Camera
- App auto detects lake, Go Ski
- Files get posted by Camera Name, Lake, Date/Time and SkierName (if set on the Control page)

Smart Capture: Boat over HDMI to BM



- Standard BM setup
 - HDMI boat link over DJI Rx/Tx
 - Direct 'Shuttle' or LAN page playback (from laptop not shown)
- Phone Page/App
 - Sends Gps location/speed triggers
- A mini-PC monitors signals
 - Controls BM record start/stop
 - Uploads files (with 'context'.txt) to server for WAN access (from laptop not shown)

Smart Capture: IP or Analog Source



- IP Camera's on LAN
- Analog Camera with Analog to USB (or to IP) encoder
- A mini-PC on LAN
 - Monitors location signals
 - Locally records and displays Gate Camera
 - Uploads files (with 'context'.txt) to server for WAN access
 - Playback from LAN page (on laptop, not shown)
 - Local display playback from 'remote control' of mini-PC