

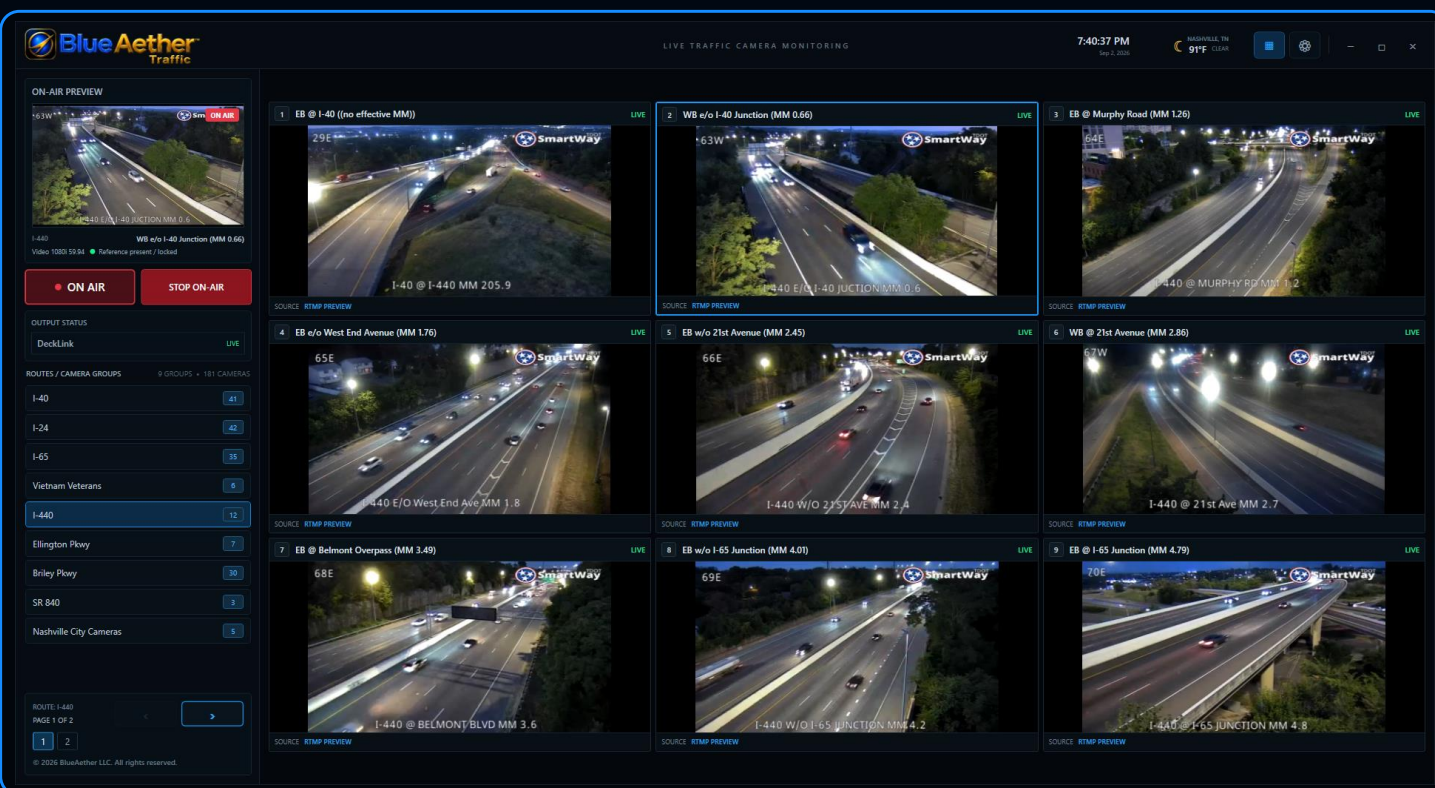
BLUEAETHER TRAFFIC

BlueAether Traffic™

AVAILABLE NOW

See the road. Choose the shot. Keep PROGRAM under operator control.

A focused Windows broadcast application for rapidly browsing traffic-camera inventories and taking a selected live source to an independent DeckLink SDI PROGRAM output.



Fast camera browsing

A clean live wall, route/group navigation and paging keep large camera inventories usable under deadline.

Deliberate TAKE to PROGRAM

Camera selection remains a candidate until the operator explicitly takes it to the independent PROGRAM output.

Broadcast SDI output

DeckLink integration provides a direct facility output path with truthful active-format and reference status.

BUILT FOR BROADCAST

Focused operator control. Professional output.

OPERATOR WORKFLOW

Browse broadly. Take deliberately. Keep PROGRAM independent.

The interface is intentionally centered on the traffic-camera operator instead of generic multiviewer complexity.

01 BROWSE

01

Navigate camera groups and pages while live tiles continue updating.

02 SELECT

02

Choose a camera as the next candidate without disturbing the source already on air.

03 TAKE

03

Use an explicit TAKE action to create or switch the independent PROGRAM session.

04 CONTINUE

04

Keep browsing other routes and cameras while the selected PROGRAM remains live.

DESIGNED FOR LIVE TRAFFIC-CAMERA OPERATIONS.

Monitoring wall

Up to nine live camera tiles are presented at once. When a group contains fewer cameras, the layout remains balanced rather than filling the screen with empty placeholders.

Camera-source flexibility

Traffic is built to work with externally configured live camera sources such as RTMP, RTSP and HLS.

PROGRAM stays independent

Changing pages, routes or selected preview cameras does not silently replace the active PROGRAM source. The operator remains in control of the on-air transition.

Simple operator surface

The interface keeps the critical information visible: ON-AIR preview, camera identity, output status, reference status, route navigation, paging and settings access.

OPERATING PRINCIPLE

Browse aggressively. Change PROGRAM deliberately.

BROADCAST OUTPUT

Broadcast-ready SDI with clear format control.

Traffic separates the requested output setting from the format that is actually active on the connected DeckLink hardware.

FIELD-PROVEN SDI ANCHORS

Format	Traffic implementation
1080i 59.94	Direct DeckLink output path; upper-field-first field dominance.
720p 59.94	True 1280x720 progressive 59.94 output using the qualified downstream adaptation path on the field-tested card.
1080p 59.94	Direct 1920x1080 progressive 59.94 DeckLink output path.

Configured is not Active

Traffic reports the requested format separately from the actual hardware state. A selection is not presented as active until the DeckLink output owner reaches the corresponding live state.

Reference / genlock truth

The ON-AIR technical status reports the real reference condition obtained from the hardware path. Persistent board-level reference/source preferences remain under Blackmagic Desktop Video Setup where appropriate.

Safe reconfiguration

Output-format changes are OFF-AIR operations. Traffic prevents overlapping DeckLink output ownership while the prior output session is retiring.

TRUTH BEFORE CONVENIENCE

Configured and Active are intentionally reported as separate states.

BLUEAETHER TRAFFIC

Commercial Settings

LICENSE

CAMERAS

OUTPUTS

BACKUP / RESTORE

ABOUT

DeckLink Output

Available formats are supported by the connected DeckLink. Reference lock status is reported after selection.

☒ Enable DeckLink output

Video Format / Output Profile

1080i 59.94

Configured

1080i 59.94

Active hardware

1080i 59.94 - DeckLink SDI 4K - Live

Output/reference changes are interlocked while PROGRAM is ON AIR.

Reference / Genlock

Reference source/mode/timing authority: Blackmagic Desktop Video Setup on the current SDI card. Traffic remains unelevated and reports actual hardware state only.

Actual reference

PRESENT / LOCKED - 525/59.94 NTSC - offset 0px

Actual timing offset (pixels)

0

Persistent changes: Blackmagic Desktop Video Setup

REFRESH HARDWARE STATUS

OPEN DESKTOP VIDEO SETUP

CONFIGURATION & RESILIENCE

Built to adapt to the camera inventory without turning configuration into a rebuild.

Traffic keeps camera data outside the application, preserves operator edits, and isolates preview trouble from the live PROGRAM path.

External camera catalog

Camera groups, locations and stream addresses are stored in external configuration so installations can add, remove, reorder and regroup cameras without recompiling the product.

Protected configuration changes

Camera changes use recoverable save/restore behavior with pre-change backup protection rather than treating the configuration file as disposable.

Preview failure isolation

A failed or slow camera preview is contained to that preview session. Browsing trouble is not allowed to become an automatic PROGRAM change.

Independent PROGRAM lifecycle

The live output session owns its source independently of wall navigation, which allows the operator to keep searching while PROGRAM stays stable.

Operational status at a glance

The left rail keeps ON-AIR identity, active video format, reference state, output status, routes/groups and local weather visible without covering the monitoring wall.

Clean session retirement

Traffic is designed to release media and DeckLink resources deterministically during source changes, output reconfiguration and application shutdown.

A FOCUSED APPLICATION, NOT A GENERAL-PURPOSE NVR

BlueAether Traffic™ is intentionally narrow: live traffic-camera browsing, clear operator-controlled transitions, and dependable broadcast output. Features that do not serve that workflow stay out of the way.

DEPLOYMENT SUMMARY

A practical Windows traffic-camera application for broadcast operations.

The commercial product combines a focused operator interface with a protected PROGRAM/output architecture and externally maintained camera configuration.

CORE PRODUCT PROFILE

- Live traffic camera monitoring with route/group navigation and paging.
- Operator-controlled candidate selection and explicit TAKE to PROGRAM.
- Independent DeckLink SDI PROGRAM output with truthful active-state reporting.
- 1080i 59.94, 720p 59.94 and 1080p 59.94 DeckLink SDI output formats.
- External camera configuration with recoverable backup/restore behavior.
- Supports externally configured RTMP, RTSP and HLS camera sources.
- Visible reference/genlock status based on actual hardware state.
- Offline, machine-bound perpetual licensing with no cloud activation or recurring subscription requirement.

SYSTEM REQUIREMENTS

- Windows PC with Microsoft .NET 8 Desktop Runtime
 - Compatible Blackmagic Design DeckLink hardware with Blackmagic Desktop Video software

WHY BLUEAETHER TRAFFIC™

Traffic is built around one operational principle:

The operator should be free to browse aggressively without accidentally changing what is on air.

That principle drives the separate candidate/PROGRAM model, the protected DeckLink output owner, and the intentionally compact interface.



Monitor. Select. TAKE. Deliver.

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